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DIVISION OF WATER RESOURCES
EDWARD HYATT, STATE ENGINEER

BULLETIN NO. 39-B

SOUTH COASTAL BASIN INVESTIGATION

RECORDS OF
GROUND WATER LEVELS AT WELLS
FOR THE YEAR 1933

PRECIPITATION RECORDS
FOR THE SEASON 1932-33

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FOREWORD

The well records here given are a continuation of those published in Bulletins No. 30 and 30-A. Descriptive data for each of the wells and maps showing their locations are given in Bulletin No. 30. A few new wells are included and the descriptive data in the case of these wells are included in this bulletin. These include a few which are not plotted on Bulletin No. 30 maps.

The earthquake on March 10, 1933, caused an abrupt fluctuation in the water table in the pressure area of the Coastal Plain.

The precipitation records here given are a continuation of those published in Bulletin No. 30-A in which bulletin is a map showing location of stations listed in 1932. Several additional stations and older records have also been added. The totals are for the season July 1st to June 30th. There is a tendency on the part of the observers to neglect the minor storms, particularly those occurring at the beginning and at the end of the season. Through inspection of the records at nearby stations, the amount of precipitation so neglected has been estimated. This amount has been added to the recorded precipitation and an asterisk indicates where such a change has been made.

Records of daily precipitation for most of the stations included herein are available in the office of the Division of Water Resources. Prints of these can be obtained.

Cooperation of the agencies through which the records have been made available is appreciated. Proper credit is given in the tabulation of data for each well and in the table showing precipitation station data.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "A"

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		Feet			Feet
	1933			1934	
A-4c-B-6	Dec. 20	19.9	A-10-E-3 cont.	Jan. 11	15.8
	1934			Jan. 23	15.4
	Jan. 22	15.6		1933	
A-4e-B-6	Jan. 22	40.0	A-11-D-3	Jan. 6	125.0
	1933			Feb. 4	123.8
A-5a-C-2	Jan. 6	13.8		Mar. 3	122.0
	Feb. 4	10.7		Apr. 10	122.6
	Apr. 10	10.5		May 3	123.6
	May 3	10.5		June 5	124.1
	June 5	10.2		July 13	124.4
	July 7	11.0		Aug. 19	124.7
	July 21	11.8		Sep. 15	124.4
	Aug. 4	11.3		Oct. 19	125.8
	Aug. 31	11.5		Nov. 20	125.2
	Oct. 13	12.4		Dec. 26	123.6
	Nov. 20	12.8		1934	
	Dec. 26	13.0		Jan. 11	123.2
	1934			Jan. 23	123.3
	Jan. 11	11.3		1933	
	Jan. 23	8.4	A-12-D-3	Apr. 27	43.7
	1933			Dec. 26	43.5
A-9-D-3	Apr. 27	87.9	A-13-D-3	Jan. 6	40.2
	Dec. 26	84.5		Feb. 4	40.3
A-10-E-3	Jan. 6	16.0		Mar. 3	40.0
	Feb. 4	15.4		Apr. 10	41.0
	Mar. 3	14.3		May 3	41.4
	Apr. 10	14.7		June 5	41.0
	May 3	14.9		Aug. 15	42.6
	June 5	15.1		Oct. 13	42.3
	July 13	15.4		Nov. 20	42.1
	Aug. 10	15.8		Dec. 7	41.7
	Sep. 15	16.2		1934	
	Oct. 19	16.2		Jan. 11	41.2
	Nov. 20	16.1		Jan. 23	41.3
	Dec. 26	16.2			

Measurements from Los Angeles County Flood Control District.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface		
		Feet				Feet		
1933				1933				
A-14-D-4	Apr. 27		116.3	A-31-D-6	Jan. 6		248.0	
	Dec. 26		105.5		Feb. 10		246.2	
A-15-D-4	Apr. 18	a	18.6		Mar. 3			250.3
	July 19	a	18.7		Apr. 10			258.5
	Aug. 15		19.0	Apr. 30			248.5	
	Dec. 19	a	19.7	A-31a-D-6	Apr. 27		180.6	
	Dec. 27		19.5		A-35-D-6	Apr. 27		230.8
A-18a-D-4	Apr. 27		156.2			1934		
	Aug. 15		155.1	Jan. 23			232.2	
	Dec. 27		154.8	1933				
1932				A-37-C-7	Apr. 25		180.8	
A-22-D-5	Dec.		209.8	A-38-C-7	Apr. 25		80.5	
1933					Dec. 22		81.3	
	Apr. 21		204.6	1934				
	Dec. 23		203.8		Jan. 22		80.1	
A-24-B-5	Apr. 21		29.0	1933				
A-24a-C-5	Apr. 21		3.8	A-40-E-7	Mar. 28	a	127.7	
A-24b-C-5	Apr. 21		20.5		June 27	a	125.7	
A-26-D-5	Apr. 27		223.6		Dec. 26	a	129.1	
	Dec. 22		223.1	1934				
A-26a-D-5	Apr. 21		163.1		Jan. 2	a	130.0	
	Dec. 20		162.3	1933				
A-27-D-5	Apr. 21		136.2	A-41-C-7	Apr. 25		32.4	
	Oct. 4		135.3		Dec. 20		34.3	
	Dec. 20		134.7	A-42-D-7	Apr. 25		74.1	
A-27a-D-5	Oct. 4		134.6	A-44-C-7	Apr. 25		39.1	
A-28b-B-6	Dec. 20		14.0		Dec. 20		42.4	

Measurements from Los Angeles Department of Water and Power.
Measurements from Los Angeles County Flood Control District except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
A-48-C-8	Apr. 25	49.2	A-52d-D-9	May 19	145.1
	Dec. 20	51.1		1934	
A-48j-C-8	Jan. 6	3.5		Jan. 25	145.2
	Feb. 4	2.7		1933	
	Mar. 3	3.0			
	Apr. 10	3.7			
A-50-D-9	May 17	232.8	A-53-D-10	May 17	106.2
A-50b-D-9	May 17	162.5		1934	
	1934			Jan. 25	105.4
	Jan. 25	163.8		1933	
	1933		A-54-D-10	May 17 a	132.2
A-51-D-9	May 17	248.8	A-54c-D-10	May 17	197.1
	1934		A-54d-D-10	May 19	243.6
	Jan. 25	248.4	A-54e-D-10	May 19	51.8
	1933		A-55-E-10	See page 8	
A-51d-D-9	May 7	132.4	A-56-E-2	Apr. 20	41.3
	1934		A-56d-E-2	Apr. 20	27.6
	Jan. 27	128.3		1932	
	1933		A-58-E-2	Dec. 28	25.3
A-52-D-9	Mar. 26	71.0		1933	
	May 14	74.0		Jan. 10 b	25.9
	Dec. 31	74.0		Feb. 9	24.2
A-52c-D-9	May 17	33.8		Apr. 4 b	23.6
	1934			Apr. 20	24.0
	Jan. 25	22.9		May 25	24.3
				Aug. 15 b	25.0
				Dec. 12 b	25.3

a Measurement from Pasadena Water Department.

b Measurement from Los Angeles Department of Water and Power.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
		<u>Feet</u>				<u>Feet</u>	
	1933				1933		
A-58a-E-2	Apr. 20		32.5	A-77-F-6	Apr. 18		23.7
					Nov. 16		23.4
A-58d-E-3	Apr. 20		10.9				
A-60-E-3	Apr. 24		12.3	A-77b-E-6	Jan. 6		44.3
					Apr. 24		42.4
A-60a-E-3	Apr. 24		11.1		Nov. 16		41.7
A-62a-E-3	Jan. 10	a	12.5	A-77c-F-6	Apr. 24		17.1
	Mar. 14	a	9.8		Nov. 16		18.6
	Aug. 15	a	13.8	A-78d-E-6	Apr. 17		74.0
	Dec. 12	a	14.8		May 26		72.5
					Dec. 11		76.5
A-64-E-4	Apr. 24		9.9				
A-66b-E-4	Apr. 24		13.5	A-80-E-6	Apr. 7		68.1
					Nov. 14		68.8
A-68-E-4	Mar. 7	a	13.0	A-81d-E-6	Apr. 24		40.2
	Apr. 24		13.3				
	Aug. 9	a	14.2	A-82-F-6	Apr. 14		35.3
	Dec. 5	a	14.5		Nov. 16		34.5
A-71a-E-5	May 25		13.3	A-84-E-7	Apr. 18		50.0
					Nov. 10		47.6
*A-72-E-5	Jan. 17		63.5				
	Feb. 14		63.6	A-85c-F-7	Feb. 16		4.1
	Mar. 28		63.5		Apr. 7		4.1
	Apr. 18		64.6		May 25		2.6
					Aug. 17		2.8
A-74-E-5	Apr. 18		79.1		Nov. 2		2.8
**A-75-F-6	Apr. 17	a	17.4	A-85e-F-7	Apr. 7		24.4
	Apr. 26		17.6		Nov. 12		23.4
	Aug. 18	a	18.9				
	Dec. 14	a	17.0	A-85f-F-7	Apr. 7		29.8
					Nov. 2		28.2
	1934						
	Jan. 17	a	14.1	A-86-E-7	Apr. 5		67.7
					Dec. 6		65.1
	1933						
				A-86f-E-7	Jan. 6		103.1
A-76-E-6	Jan. 13		66.4		Feb. 4		103.2
	Apr. 18		62.6		Mar. 3		102.
					Apr. 7		101.4
	Dec. 11		62.9		May 5		101.7

*Ref. pt. is top of timbers, 0.8 foot above floor and ground. Elev. 733.4.

**Beginning Aug. 18, 1933, ref. pt. is 2.2 feet lower. Elev. 657.9.

a Measurement from Los Angeles Department of Water and Power.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
A-86f-E-7 cont.	June 2	99.6	A-91-F-8	Jan. 6	24.3
	July 13	99.7		Feb. 4	23.2
	Aug. 4	99.2		Mar. 3	23.4
	Sep. 1	99.2		Apr. 7	23.4
	Oct. 6	98.3		May 4	23.4
	Nov. 10	98.0		June 2	23.6
	Dec. 29	98.1		July 13	23.8
				Aug. 4	23.9
	1934			Sep. 1	24.0
	Jan. 19	98.0		Oct. 6	23.8
	Jan. 26	98.9		Nov. 9	23.4
				Dec. 29	23.2
	1933			1934	
A-87-E-7	Apr. 5	34.0		Jan. 19	22.5
	Dec. 6	31.8		Jan. 26	22.6
A-87c-E-7	Apr. 17	32.3		1933	
	Aug. 18	31.7	A-93-E-8	Apr. 12	25.6
	Nov. 14	30.7		Dec. 28	25.8
A-88-F-8	Apr. 5	20.6	A-93g-F-8	Apr. 5	24.4
	Dec. 6	20.3			
A-88b-F-7	Apr. 5	15.1	A-93L-E-8	Apr. 5	26.2
	Apr. 17	15.0		Nov. 16	25.7
	May 4	15.3	A-95-E-8	Mar. 6	25.6
	June 8	15.4		Apr. 11	26.3
	Aug. 17	15.6	A-98-E-10	Apr. 1	75.4
	Nov. 14	14.3			
	1934		A-98a-F-10	Feb. 17	36.0
	Jan. 26	13.1		Apr. 19	34.7
				May 17	34.4
	1933			June 16	35.2
A-89b-E-8	Apr. 5	56.6		July 13	38.2
	Dec. 6	53.7		Aug. 25	38.9
A-89d-E-8	Apr. 5	49.6		Oct. 13	40.5
	Dec. 6	46.3		Nov. 10	38.3
A-90-E-8	Apr. 5	20.4	A-99-G-10	Jan. 16	4.6
	Dec. 6	18.8		Mar. 6	2.9
				Apr. 11	3.3
				Nov. 7	2.4

Measurements from Los Angeles County Flood Control District.

A-55-E-10, RAMON URQUIDEZ. Map 1.

Log available

Location and Description--0.57 mile northwest of Verdugo Blvd. (Ocean View) along La Crescenta Ave., 30 feet south of La Crescenta Ave.

North of Glendale.

Reference point--Top of casing, 0.3 foot above ground.

Elevation of reference point--1148.7 from levels by L.A. Co. F.C.D.

Use--Not used.

Depth of well--116 feet

Diameter of casing--12 inches.

Other numbers used--L.A. Co. F.C.D. No. 5069.

Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>
1931		1933		1934	
July 23	105.3	Jan. 6	107.5	Jan. 6 bc	100.9
		Feb. 4	96.5	Jan. 8 bc	99.8
1932		Mar. 3	99.1	Jan. 11 hc	99.4
Jan. 6 ab	104.0	Apr. 7	100.6	Jan. 19	101.5
Mar. 16	93.6	May 5	102.3	Jan. 25	100.0
May 7	97.4	June 2	103.6	Feb. 15 c	100.6
June 11	99.0	July 13	103.5		
July 9	99.9	Aug. 18	104.8		
July 29	108.2	Sep. 15	106.1		
Aug. 6	101.7	Oct. 13	107.0		
Aug. 19	108.8	Nov. 10	108.0		
Sept. 2	103.4	Dec. 8	108.2		
Oct. 7	105.8	Dec. 29	105.9		
Nov. 4	106.3				
Nov. 10	105.7				
Nov. 25	106.9				
Dec. 2	106.6				

a Measurement from Pasadena Water Department.

b Electric tape.

c Measurement from Division of Water Resources.

Measurements from Los Angeles County Flood Control District except as noted.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "B"

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Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
B-3-I-5	Apr. 12	104.0	B-15-I-8	Jan. 11	48.3
B-4-H-5	Apr. 17	20.6	cont.	Feb. 8	47.1
B-5-I-5	Apr. 20	39.6		Mar. 29	45.4
	Nov. 27	26.4		Apr. 12	47.3
B-5c-I-5	Apr. 20	41.2		May 17	48.3
B-6c-H-6	Apr. 25	57.9		June 22	48.9
B-6d-H-6	Apr. 20	99.8		July 20	50.4
B-7d-I-6	Apr. 20	158.1		Aug. 10	50.6
B-9a-I-6	Apr. 20	117.0		Sep. 15	50.7
B-10p-I-6	Jan. 11	62.7		Dec. 1	51.6
	Feb. 1	61.9		Dec. 26	51.3
	Mar. 22	63.1		1934	
	Apr. 19	63.4		Jan. 12	49.1
	May 24	63.8		Feb. 2	51.9
	June 22	64.6		1933	
	July 20	64.2	B-15a-I-8	Apr. 17	83.4
	Aug. 17	64.3	B-16-H-9	Apr. 17	125.0
	Sept. 15	64.4	B-18a-H-9	Apr. 24	123.4
	Dec. 1	63.0		1932	
	Dec. 26	62.8	B-19b-I-9	Nov. 30	136.0
				Dec. 15	136.0
	1934			1933	
	Jan. 10	64.3		Jan. 18	135.4
	Feb. 2	63.6		Feb. 15	135.3
	1937			Mar. 22	135.1
B-12-H-7	Apr. 20	54.8		Apr. 19	135.5
B-12a-I-7	Apr. 20	36.0		May 10	135.6
B-13-I-6	Apr. 24	30.6		June 8	135.9
B-14d-G-8	Apr. 17	47.2		July 6	136.7
				Aug. 10	137.4
				Sep. 15	137.3
				Dec. 28	138.2
				1934	
	1932			Jan. 10	137.4
B-15-I-8	Nov. 30	49.4		Feb. 2	137.2
	Dec. 28	49.2			

Measurements from Los Angeles County Flood Control District.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
1933			1933		
B-19d-I-9	Apr. 17	129.2	B-37-L-7	Apr. 29	153.0
B-21a-H-10	Apr. 24	97.9	B-41i-K-8	Mar. 16	62.8
				Apr. 27	63.0
1932			B-44-K-8	Apr. 27	83.9
B-23-I-5	Aug. 10	33.0		1932	
	Sep. 6	32.9			
	Oct. 5	33.7			
	Nov. 3	32.7	B-44c-K-8	Nov. 30	61.7
	Dec. 7	32.9		Dec. 28	59.4
1933			1933		
	Jan. 4	33.2		Jan. 4	59.1
	Feb. 1	32.7		Feb. 1	58.0
	Mar. 1	31.0		Mar. 1	60.4
	Apr. 5	30.9		Apr. 5	60.6
	May 2	30.6		June 8	61.2
	June 8	31.2		July 6	61.4
	July 6	30.4		Aug. 3	62.0
	Aug. 3	31.4		Sep. 15	62.0
	Sep. 15	31.8		Dec. 5	61.2
	Dec. 1	31.4		Dec. 26	62.2
	Dec. 26	31.1		1934	
1934				Jan. 10	61.5
	Jan. 10	31.3		Feb. 2	61.5
	Feb. 2	30.1		1933	
1933			B-46c-J-8	Mar. 1 a	72.0
B-23c-I-5	Apr. 24	31.0		Sep. 7 a	72.8
	Nov. 27	43.7		Oct. 23 a	73.5
B-28c-J-6	Apr. 27	131.2	B-50-I-9	Mar. 16 a	84.1
B-33-K-6	Apr. 27	179.4		Aug. 1 a	87.4
				Oct. 18 a	87.6
B-34-J-7	Apr. 24	131.9	B-51a-J-8	Mar. 1 a	82.8
				Apr. 4 a	83.6
B-34c-J-7	Apr. 27	99.8		Aug. 1 a	84.5
				Nov. 6 a	85.3
B-35-J-7	Apr. 27	58.0			

a Measurement from Los Angeles Department of Water and Power.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
			<u>Feet</u>				<u>Feet</u>
	1933				1933		
B-51b-J-9	Mar. 1	a	73.7	B-54g-L-9	Apr. 4		100.7
	Aug. 1	a	75.8		Nov. 7		104.8
	Dec. 14	a	77.5				
B-52-J-8	Feb. 7	a	135.0	B-57-J-9	Apr. 7		77.0
	Apr. 4	a	134.7		Nov. 7		76.0
	May 15	a	136.7	B-57j-J-9	Apr. 10		41.6
	Nov. 7	a	134.5		Nov. 13		43.0
	Dec. 27	a	137.7				
	1932			B-58-K-9	Mar. 10	a	86.4
B-52c-K-8	Apr. 18		156.1		Apr. 4	a	84.2
	Nov. 14		153.0		Nov. 20	a	89.3
	1933			B-58d-K-9	Apr. 7		78.6
					Nov. 7		84.0
					1932		
*B-52f-J-9	Mar. 10	a	82.1	B-58e-K-9	Feb. 6	b	78.9
	Aug. 3	a	86.8		Mar. 4	b	78.7
	Dec. 5	a	84.3		Apr. 6	b	80.0
	1934				May 4	b	82.8
	Jan. 2	a	81.7		June 1	b	83.6
					July 21	b	85.8
	1932				Sep. 19	b	87.0
B-53f-K-9	Apr. 28		117.0		Oct. 3	b	84.7
	Nov. 14		122.3		Nov. 28	b	86.0
	1933				1933		
	Apr. 4		120.6	B-59d-K-9	Feb. 3	b	81.4
	Nov. 6		123.8		May 13	b	86.3
B-54-K-8	Apr. 10		153.4	B-59i-K-9	Apr. 10		86.6
	Nov. 7		154.9		Nov. 13		91.2
B-54b-K-8	Apr. 4		105.0	B-60-J-9	Nov. 7		80.0
	Dec. 11		106.4				

* Ref. pt. (a) in Bulletin No. 39 used.

a Measurement from Los Angeles Department of Water and Power.

b Measurement from San Gabriel Valley Protective Association.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number	Date		Dist.R.P.	Well Number	Date		Dist.R.P.
			to water surface				to water surface
			Feet				Feet
	1933				1933		
B-60c-I-9	Mar. 9	a	95.3	B-70b-J-10	Nov. 17		96.6
	Aug. 5	a	97.9				
	Oct. 23	a	98.4	B-71a-J-10	Apr. 17		66.0
	Nov. 4		98.5		Nov. 17		65.8
B-61f-J-9	Apr. 11		55.6	B-72b-J-10	Apr. 17		23.0
	Nov. 14		58.4		Nov. 15		25.0
B-62-J--9	Feb. 28		53.5	B-72e-K-10	Jan. 5		23.7
	Nov. 8		59.0		Feb. 2		22.6
B-62c-K-9	Mar. 10	a	67.7		Mar. 9		24.1
	Sep. 7	a	71.2	3 AM	Mar. 11		11.7
	Oct. 23	a	70.8		Mar. 13		16.5
B-64d-L-9	Apr. 11		54.3		Mar. 16		22.5
	Nov. 14		58.1		Mar. 23		23.9
B-66-J-10	Mar. 29		103.0		Mar. 30		25.0
	Nov. 14		108.5		May 9		27.0
B-66b-J-10	Jan. 13	b	74.3		June 8		27.3
	Feb. 8	b	74.1		July 6		29.3
	Mar. 1	b	74.0		Aug. 3		30.1
	Mar. 29	b	73.7		Sep. 7		29.7
	May 13	b	74.5	B-73-K-10	Apr. 17		22.7
	June 24	b	75.1		Nov. 17		22.8
	Aug. 3	b	75.8				
	Sep. 14	b	76.5	B-77d-J-11	Jan. 13	b	36.1
	Oct. 5	b	76.7		Feb. 8	b	34.6
	Nov. 16	b	76.9		Mar. 1	b	35.0
B-67-K-10	Nov. 14		32.5		Mar. 29	b	36.4
B-68-K-10	Apr. 14		34.9		May 13	b	38.5
	Nov. 15		37.0		June 24	b	40.9
B-69d-L-10	Mar. 15	a	28.2		Aug. 24	b	42.5
	Aug. 3	a	44.1		Sep. 14	b	41.8
	Dec. 5	a	35.8		Oct. 26	b	41.7
					Nov. 16	b	40.8
					Dec. 7	b	40.3
B-70-I-10	Apr. 17		88.5		1934		
	Nov. 15		92.1		Jan. 18	b	37.8

a Measurement from Los Angeles Department of Water and Power.

b Measurement from San Gabriel Valley Protective Association.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number	Date		Dist.R.P. to water surface <u>Feet</u>	Well Number	Date		Dist.R.P. to water surface <u>Feet</u>
	1933				1932		
B-78b-J-11	Apr. 17	a	39.2	B-82-L-10	Jan. 20		13.2
	Nov. 21	a	37.8		Feb. 3		12.8
					Mar. 2		12.0
B-79-K-10	Mar. 17	b	27.7		Apr. 2		16.4
	Apr. 21	a	35.5		Apr. 13		21.0
	Aug. 25	b	43.4		May 4		22.0
	Nov. 20	a	39.0		June 1		25.6
	Dec. 29	b	32.6		July 6		26.3
					Aug. 3		27.4
	1932				Sep. 7		28.9
B-81-K-10	Jan. 2		13.7		Oct. 5		25.4
	Feb. 6		13.2		Nov. 2		25.2
	Mar. 4		12.9		Dec. 7		22.8
	Apr. 6		19.5		Dec. 28		18.8
	May 4		20.3				
	June 8		23.4		1933		
	July 6		26.5		Feb. 1		16.8
	Aug. 10		27.6		Mar. 1		20.5
	Sep. 7		25.6		Apr. 5		20.4
	Oct. 5		21.5		May 3		23.4
	Nov. 2		22.0		June 7		27.0
	Nov. 30		20.0		July 5		31.4
					Aug. 2		33.6
	1933				Sep. 6		32.6
	Jan. 13		17.5		Oct. 4		31.2
	Feb. 15		14.6		Nov. 1		27.6
	Mar. 8		17.8		Nov. 15		27.6
	Mar. 29		18.0				
					1932		
	1932			*B-82d-L-11	Dec. 15	b	11.0
B-81d-K-11	Dec. 27	b	20.6				
					1933		
	1933				Feb. 15	b	8.5
	Mar. 17	b	19.2		Nov. 19	b	17.7
	July 19	b	35.6		Dec. 5	b	15.7
	Nov. 22	b	14.0				
					1934		
					Jan. 4	b	12.6

*Beginning Nov. 19, 1933, ref. pt.--top of casing, 0.4 foot above ground, and 1.4 feet higher than old ref. pt. Elev. 73.5 from levels by L.A.D. of W. & P.

a Measurement from Los Angeles County Flood Control District.

b Measurement from Los Angeles Department of Water and Power.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
	1933			1933	
B-83i-J-11	Apr. 21	50.5	B-95-N-7	Nov. 22	119.3
	Nov. 22	53.4			
B-85-L-7	Apr. 13	93.9	B-95b-N-7	July 20	94.8
				Sept. 15	94.3
B-86b-M-7	Apr. 29	85.9		1934	
	1932			Jan. 10	94.2
B-87-M-7	Aug. 5	103.0		Feb. 2	94.6
	Sep. 7	103.0			
	Oct. 5	102.8		1933	
	Nov. 3	102.8	B-96-L-8	Apr. 29	63.1
	Dec. 7	102.9		Nov. 22	61.2
	1933		B-100-N-8	Apr. 29	94.1
	Jan. 4	102.6			
	Feb. 8	102.3	B-101-L-8	Apr. 18	34.6
	Mar. 1	102.2		Dec. 5	37.0
	Apr. 5	102.6	B-102-L-8	Apr. 18	52.0
	May 2	102.7		Dec. 5	54.3
	June 8	103.1	B-103-M-8	Apr. 13	64.3
	July 6	103.2			
	Aug. 3	103.3	B-103b-L-8	Apr. 18	61.0
	Sep. 5	103.1		Dec. 5	61.7
	Dec. 8	103.0			
	1934		B-105a-M-8	Apr. 18	69.1
	Jan. 10	102.9		Dec. 5	70.5
	Feb. 2	102.8	B-106-L-8	Apr. 7	76.5
	1933			Nov. 7	79.3
B-89-L-7	Apr. 29	89.9	B-106a-L-9	Apr. 10	85.0
				Nov. 8	89.4
B-91-L-7	Apr. 29	69.1	B-106b-L-9	Apr. 10	34.6
				Nov. 8	35.3
B-92c-L-7	Mar. 16	109.0	B-108-M-8	Apr. 4	49.0
	Apr. 29	108.0		Nov. 7	50.3
B-92e-L-7	Apr. 29	78.8	B-109c-M-9	Apr. 10	20.0
B-94-M-7	Apr. 29	121.0		Nov. 8	21.3
	Nov. 22	118.0			

Measurements from Los Angeles County Flood Control District.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		Feet			Feet
	1933			1933	
B-110a-N-9	Apr. 4	67.9	B-115g-N-9 cont.	Jan. 31	71.0
	Nov. 7	a 77.2		Mar. 17	70.2
B-110b-N-9	Apr. 10	70.9		Apr. 1	75.0
	Nov. 8	72.8		May 1	74.4
B-111-L-9	Apr. 10	57.4		June 1	79.1
	Nov. 13	58.8		July 1	78.4
*B-112-L-9	Apr. 10	53.3		Aug. 7	78.0
	Nov. 13	54.4		Sep. 5	82.7
B-113-M-9	Apr. 10	36.6		Oct. 3	79.8
	Nov. 13	40.5		Nov. 3	73.7
B-115a-N-9	Apr. 10	66.6	B-116-L-10	Dec. 1	75.0
	Nov. 13	67.8		Jan. 13	c 43.3
B-115b-N-9	Mar. 15	b 72.6		Feb. 8	c 41.5
	Aug. 3	b 79.5		Mar. 1	c 42.6
	Oct. 2	b 77.6		Mar. 29	c 42.5
	Nov. 3	77.9		May 13	c 45.6
				June 24	c 49.0
	1931			Aug. 3	c 50.8
B-115g-N-9	July 1	77.5		Sep. 14	c 56.7
	Aug. 1	87.3		Oct. 5	c 55.9
	Sep. 22	83.9		Oct. 26	c 49.1
	Oct. 31	78.0		Nov. 14	49.7
	Dec. 1	75.4		Nov. 16	c 55.0
	1932				
	Feb. 2	71.7	B-116c-L-10	June 2	30.0
	Mar. 1	67.2		July 13	37.6
	Apr. 1	70.6		Nov. 2	45.8
	June 2	83.2	B-117-L-10	Apr. 14	76.1
	July 1	78.2		Nov. 14	80.5
	Aug. 2	83.6	B-118-M-10	Apr. 14	29.3
	Sep. 1	82.1		Nov. 15	34.3
	Oct. 3	78.2	B-118c-M-10	Mar. 21	b 29.4
	Nov. 4	79.2		Sep. 8	b 38.5
	Dec. 29	75.7		Oct. 2	b 39.6
			B-119-M-9	Apr. 14	38.5
				Nov. 14	42.8

* Beginning Nov. 13, 1933, ref. pt. is plug on north side at ground.
Elev. 44.0.

a Down 30 minutes.

b Measurement from Los Angeles Department of Water and Power.

c Measurement from San Gabriel Valley Protective Association.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
		Feet				Feet	
	1933				1933		
B-119q-M-10	Mar. 8	a	30.1	B-126f-N-10	Apr. 17		23.8
	Apr. 4	a	26.0		Dec. 11		25.8
	Apr. 14		29.6	B-127g-M-10	Apr. 18		29.4
	Oct. 2	a	32.1		Dec. 11		30.0
	Dec. 27		29.1				
B-121b-L-10	Mar. 15	a	33.3	B-128f-L-10	Feb. 15	a	12.9
	Sep. 8	a	45.0		Aug. 3	a	23.0
	Oct. 2	a	43.0		Dec. 5	a	20.4
	Nov. 15		43.1				
				1934			
B-122-L-10	Apr. 17		22.3		Jan. 4	a	15.5
	Nov. 15		26.7				
B-122b-L-10	Nov. 15		29.9		1933		
	1932			B-129b-M-10	Apr. 18	c	33.2
B-122f-L-10	Feb. 12	b	13.7	B-130e-N-8	Apr. 12		203.5
	Mar. 4	b	13.1		Nov. 22		203.1
	Apr. 6	b	16.1	B-132-N-8	Mar. 15		91.4
	May 4	b	19.9		Dec. 5		94.4
	June 1	b	21.6	B-133b-O-8	Nov. 8		2.1
	July 13	b	24.1				
	Aug. 10	b	25.6	B-133f-N-9	Nov. 7		57.0
	Sep. 7	b	25.5				
	Oct. 5	b	24.7	B-134-N-9	Feb. 1		57.2
	Nov. 28	b	23.4		Mar. 1		57.8
	1933		Apr. 10			56.8	
Jan. 13	b	19.7	May 2			58.0	
Feb. 8	b	17.1	June 8			58.8	
Mar. 1	b	18.1	July 6		58.0		
Mar. 29	b	17.3	Aug. 10		58.9		
May 13	b	21.6	Sep. 15		59.0		
June 24	b	26.0	Nov. 8		59.2		
Aug. 24	b	28.7	Dec. 8		58.2		
Sep. 14	b	28.1	Dec. 26		58.4		
Oct. 5	b	26.3					
Nov. 16	b	25.2		1934			
Dec. 7	b	23.7		Feb. 2		59.0	
Dec. 29	b	21.2					
	1934						
	Jan. 18	b	19.4				

a Measurement from Los Angeles Department of Water and Power.

b Measurement from San Gabriel Valley Protective Association.

c Measurement from Pasadena Water Department.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
			<u>Feet</u>				<u>Feet</u>
	1933				1933		
B-134c-N-9	Jan. 9	ab	63.3	B-136-N-10	Feb. 2		12.0
	Feb. 8	ac	63.9		Mar. 13		10.5
	Apr. 6		65.0		Apr. 13		12.1
B-135-N-9	Jan. 27		21.6		May 3		11.7
	Apr. 11		19.2		June 8		12.0
	Nov. 8		22.4		July 6		12.5
B-135b-O-9	Jan. 27		0.0		Aug. 10		14.0
	Apr. 11		5.4		Sep. 7		13.9
	Nov. 8		9.2		Oct. 5		13.5
					Oct. 19		14.4
					Nov. 2		13.0
					Dec. 7		13.4
					Dec. 14		12.7

a Measurement from Los Angeles Department of Water and Power.

b Nos. 1, 2, 3, 10, 7, 14, pumping.

c Nos. 1, 3, 7, 14, 13, pumping.

Measurements from Los Angeles County Flood Control District except as noted.

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SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "C"

THE
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VOLUME 100 PART 1 2000

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface		
		Feet	Feet			Feet	Feet	
	1933				1933			
C-1-E-11	Jan. 4 a	229.1		C-5-E-11	Jan. 3 c	154.2		
	Feb. 7 a	226.3			Feb. 1 c	145.2		
	Mar. 7 a	218.3			Mar. 16 c	124.2		
	Apr. 10 a	213.3			Apr. 26 c	135.8		
	May 5 a	216.4			May 15 d	136.8		
	June 8 a	217.5			June 7 e	138.3		
	July 6 a	227.8			Aug. 9 f	162.0		
	Aug. 3 a	233.6			Sep. 22 f	169.2		
	Sep. 1 a	238.1			Dec. 21 g	172.1		
	Sep. 28 a	236.6						
	Nov. 24 a	240.7				1934		
	Dec. 28 a	239.3				Jan. 2	169.2	
	1934				Jan. 29	146.8		
	Jan. 15 a	237.8			1933			
	1933			C-7-E-11	Jan. 3 c	195.0		
C-1k-D-10	May 20 a	315.4			Feb. 1 c	182.3		
					Mar. 16 c	170.2		
C-3-E-11	Jan. 4 a	288.7			May 15 d	174.3		
	Feb. 7 a	281.5			June 7 e	176.6		
	Mar. 14 a	268.2			July 15 h	188.7		
	Apr. 25 a	278.9			Sep. 22 f	204.3		
	May 24 a	277.7			Oct. 16 i	214.7		
	June 8 a	276.6			Nov. 15 j	217.8		
	July 6 a	289.8			Dec. 21 g	207.7		
	Aug. 3 a	298.6						
	Sep. 17 a	302.3			C-10-E-11	Jan. 3 c	133.0	
	Nov. 27 ab	307.0		Feb. 1 c		128.5		
	Dec. 28 ab	306.0		Mar. 6 c		120.0		
		1934		Mar. 29 c		116.7		
	Jan. 15 ab	398.9		May 15 d		114.9		
				June 15 i		116.3		
				Aug. 9 f		129.7		
				Sep. 1 j		134.2		
				Oct. 2 j		139.9		
				Nov. 3 j		144.4		
				Dec. 14 k		141.9		

a Measurement from Los Angeles County Flood Control District.

b Air line.

c All northwest wells down.

d Arroyo pumping.

e All northwest wells down 24 hours.

f All northwest wells down 6 hours.

g All northwest wells down 10 hours.

h Windsor, Ventura, Arroyo pumping.

i All northwest wells pumping.

j Windsor, Figueroa, Arroyo, Ventura pumping.

k Arroyo and Ventura pumping.

Measurements from Pasadena Water Department except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
		<u>Feet</u>				<u>Feet</u>	
	1933				1933		
C-11-E-11	Feb. 28		286.8	C-27-F-11	Jan. 3	f	146.9
	Apr. 26		290.9		Feb. 1	f	144.8
	Dec. 15		288.9		Mar. 1	f	144.2
C-12-E-11	Apr. 26		217.6		Apr. 1	f	144.2
	Dec. 15		217.7		May 1	f	145.4
C-16-F-11	Jan. 3	a	290.2	June 15	g	162.3	
	Feb. 1	a	289.2	Aug. 15	g	166.4	
	Mar. 1	a	287.0	Aug. 30	f	162.8	
	Apr. 1	a	287.1	Sep. 15	g	168.4	
	May 1	a	288.7	Oct. 16	g	171.9	
	June 1	b	290.8	Nov. 15	g	170.7	
	Aug. 1	b	297.3	Dec. 14	f	170.9	
	Sep. 15	a	297.8	C-31a-F-11	May 2		159.9
	Oct. 16	b	302.7		Oct. 24		166.5
	Nov. 3	a	299.1		Dec. 17		168.1
	Dec. 14	a	298.7	C-38a-E-12	Nov. 28		387.4
C-22-F-11	Jan. 20		284.2	C-39-E-12	Apr. 30		292.6
	Feb. 1		281.9		Dec. 3		295.4
	Mar. 1		277.3	C-40-E-12	Jan. 9		52.0
	July 17	c	285.9		Feb. 17		42.0
	Aug. 9	d	291.2		Mar. 16		40.7
	Sep. 22	d	291.2		Apr. 1		40.6
	Oct. 16	e	290.6		May 1		40.5
	Nov. 1		292.3		June 1		40.8
	Dec. 13	e	290.5		Aug. 17		44.1
			Sep. 6			57.9	
	1934			Oct. 5	h	64.8	
	Jan. 16		291.1	Nov. 13		55.6	
	1933			Dec. 1		58.5	
				1934			
C-23-F-11	May 31		10.8	Jan. 2		54.4	
	Dec. 15		11.2	Jan. 16		50.9	

a Sunset down.

b Sunset pumping.

c Down 9 hours.

d Down 6 hours.

e Down 24 hours.

f Alpine down.

g Alpine pumping.

h Down 16 hours.

Measurements from Pasadena Water Department.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface		
		<u>Feet</u>				<u>Feet</u>		
	1933				1933			
C-41-E-12	Apr. 30		172.5	C-47-F-12	Apr. 30		160.5	
	Dec. 3		174.1		Dec. 12		164.1	
C-42-E-12	Apr. 30		312.8	C-49-F-12	May 11		177.3	
	Dec. 3		319.2		June 1 c		175.0	
C-43-F-12	Jan. 4 a		251.9		July 1 c		177.6	
	Feb. 28 a		250.4		Aug. 1 c		185.6	
	Mar. 21 a		250.1		Sep. 1 c		182.8	
	Apr. 25 a		251.0		Oct. 1 c		182.8	
	May 17 a		251.4		Nov. 6 c		182.8	
	June 13 a		251.5		Dec. 1 c		182.8	
	July 13 a		252.6		Dec. 26		181.1	
	Aug. 10 a		253.4		1934			
	Sep. 21 a		254.8	Jan. 2 c		180.0		
	Oct. 27 a		255.9		1933			
	Nov. 24 a		256.5					
	Dec. 28 a		256.6					
	1934			C-52a-F-12	Jan. 3 d		241.0	
Jan. 10 a		257.6	Feb. 1 d			240.4		
			Mar. 16 d			239.8		
C-44-F-12		1933			Apr. 1 d		240.1	
	Jan. 3 b		327.1		May 1 d		240.7	
	Feb. 1 b		324.9		June 1 d		241.4	
	Mar. 1 b		325.3		Aug. 1 d		246.6	
	Apr. 1 b		327.1	Sep. 1 d		246.7		
	May 1 b		327.1	Oct. 2 d		246.4		
	June 1 b		327.7	Nov. 1 d		246.5		
	Aug. 1 b		332.8	Dec. 1 d		246.5		
	Sep. 15 b		332.3	Dec. 14 d		246.0		
	Oct. 16 b		332.8		C-55-F-12	Dec. 27		189.9
	Nov. 15 b		332.8		C-56-F-12	Feb. 1 e		139.
	Dec. 14 b		333.4	Mar. 1 c			140.	
	1934			Apr. 1 e			140.	
Jan. 16		331.1	May 1 e			140.		
			June 1 e			141.		
			July 1 e			143.		
			Aug. 1 e			148.		

a Measurement from Los Angeles County Flood Control District.

b All east wells down.

c Measurement from owner.

d All northeast wells down.

e Measurement from Alhambra Water Department.

Measurements from Pasadena Water Department except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
		<u>Feet</u>				<u>Feet</u>	
1933				1933			
C-56-F-12 cont.	Sept.	1 a	150.	C-76-F-12	Apr. 30		133.4
	Oct.	1 a	144.		Dec. 10		136.9
	Nov.	1 a	145.	C-82-F-13	Jan. 3		62.6
	Dec.	1 a	145.		Feb. 1		64.3
1934			Mar. 1			66.0	
Jan.	1 a	146.	Apr. 1			70.0	
			May 1			66.6	
June 15					80.4		
1933			July 14			82.8	
C-62-F-12	Mar.	13 a	120.		Aug. 1		81.6
	Apr.	2 a	126.		Oct. 2		79.3
	May	4 a	124.		Nov. 1		76.4
	July	9 a	122.		Dec. 1		75.8
	Aug.	15 a	146.	1934			
	Sep.	15 a	164.	Jan. 2		68.9	
	Oct.	15 a	165.	Jan. 16		70.1	
	Dec.	15 a	172.	1933			
	Dec.	30 a	175.	C-86-F-13	Jan. 3		86.5
	C-65-F-12	Feb.	1 a		122.	Feb. 14	
Mar.		1 a	120.		Mar. 16		85.4
Apr.		1 a	122.		Apr. 1		89.0
May		1 a	121.		May 1		88.4
June		1 a	122.		June 1		92.6
July		1 a	123.		June 30		95.1
Aug.		1 a	122.		Aug. 1		99.4
Sep.		1 a	122.		Sep. 1		100.7
Oct.		1 a	122.		Oct. 2		99.8
Nov.		1 a	122.		Nov. 1		99.6
Dec.		1 a	122.		Dec. 1		98.0
1934				1934			
Jan.	1 a	121.	Jan. 2		94.1		
			Jan. 16		94.0		
1933			1934				
C-74-F-12	Apr.	30	136.0				
	Dec.	23	141.6				

a Measurement from Alhambra Water Department.

Measurements from Pasadena Water Department except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
1933			1933		
*C-96-F-13	Jan. 4 a	78.0	C-108-F-12	Apr. 10	163.8
	Feb. 7 a	74.4	C-109-G-12	Jan. 4 c	101.0
	Mar. 7 a	75.6		Feb. 1 c	101.3
	Apr. 5 a	76.7		Mar. 1 c	101.4
	Apr. 18 a	84.0		Apr. 1 c	101.2
	May 10 a	84.4		May 1 c	100.9
	June 13 a	87.4		June 1 c	101.7
	June 29 a	95.4		July 1 c	101.2
	July 6 a	100.2		Aug. 1 c	100.6
	Aug. 3 a	109.4		Sep. 1 c	101.0
	Sep. 1 a	103.8		Oct. 1 c	101.5
	Sep. 28 a	109.2		Nov. 6 c	101.9
	Oct. 20 a	112.4		Dec. 1 c	102.3
	Nov. 17 a	112.2			
	Dec. 1 a	90.0			
	Dec. 28 a	81.3			
1934			1934		
	Jan. 8	77.0		Jan. 2 c	103.0
	Jan. 15 a	79.5			
1933			1932		
C-98-F-13	May 24	215.4	C-111-F-11	Nov. 3	184.9
	Nov. 29	227.5		Dec. 3	185.9
				Dec. 28	185.0
C-101-F-13	May 24 b	105.3	1933		
	Nov. 29 b	116.9		Jan. 3	185.7
C-102-F-14	Apr. 6 a	17.8		Feb. 14	186.1
	Nov. 29	28.6		Mar. 4	186.9
	Dec. 27 a	30.3		Apr. 1	187.9
1934				May 1	188.6
	Jan. 15 a	13.5		June 1	189.4
1933				July 7	190.6
				Aug. 4	192.4
				Sep. 3	193.9
				Oct. 14	194.9
C-103-F-13	Feb. 20	93.4	C-115-E-12	Dec. 9	48.4
	Feb. 27	97.7			
	May 24	103.9			
	Nov. 29	109.9			

* Ref. pt. (b) in Bulletin No. 39 used.

a Measurement from Los Angeles County Flood Control District.

b All wells off 12 hours.

c Measurement from owner.

Measurements from Pasadena Water Department except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
1933			1933		
C-119-F-12	Feb. 1	109.9	C-130-F-13 cont.	June 15	a 184.0
	Mar. 1	107.8		July 15	a 191.3
	Apr. 1	112.2		Aug. 17	a 195.4
	May 1	112.2		Oct. 5	a 196.8
	June 1	114.5		Nov. 29	a 191.7
	July 1	116.8	*C-196-G-13	Jan. 3	124.8
	Aug. 1	119.2		Mar. 7	125.0
	Oct. 1	119.2		Apr. 4	126.1
	Nov. 6	119.2		June 6	126.3
	Dec. 1	119.2		July 4	127.3
	Dec. 26	a 118.1		Sep. 4	127.6
1934		Oct. 2		127.8	
Jan. 2	119.2	Nov. 6		128.1	
1933		Dec. 4		127.9	
1934		1934			
C-120-F-12	Feb. 1	168.3	Jan. 2	b 127.8	
	Mar. 1	170.3	1933		
	Apr. 1	175.3	C-199b-G-12	Apr. 10	c 152.4
	May 1	170.3		Dec. 26	c 154.6
	June 1	178.3	**C-200-F-13	Jan. 3	d 206.4
	July 1	183.3		Feb. 7	d 206.6
	Sep. 1	184.3		Mar. 7	d 206.4
	Oct. 1	190.0		Apr. 4	d 206.3
	Nov. 6	178.3		May 2	d 206.5
	Dec. 1	179.0		June 6	d 206.8
	Dec. 26	a 168.8		July 11	d 207.2
1934		Aug. 18		d 207.5	
Jan. 2	183.3	Sep. 8		d 207.5	
1933		Oct. 17		d 208.2	
C-130-F-13	Jan. 15	a 181.0		Nov. 9	d 207.4
	Feb. 17	a 174.7		Dec. 15	d 207.4
	Mar. 17	a 175.8	1934		
	Apr. 16	a 180.0	Jan. 26	d 207.4	
	May 15	a 176.1			

* Beginning January 3, 1933, ref. pt. is top of platform over well, 0.40 foot above old ref. pt., at casing and concrete, 1.0 foot above ground. Elev. 387.4.

** Beginning November 9, 1933, ref. pt. is top of pit, 0.43 foot below top of platform. Elev. 481.0.

a Measurement from Pasadena Water Department.

b Well covered.

c Measurement from Los Angeles County Flood Control District.

d Measurement from San Gabriel Valley Protective Association.

Measurements from owner except as noted.

Dist.R.P. to water surface				Dist.R.P. to water surface				
Well Number	Date		Feet	Well Number	Date		Feet	
1933				1933				
C-201-G-12	Jan. 4	a	249.0	C-204-G-12 cont.	May 2	d	222.2	
	Feb. 1	a	248.5		May 26	d	224.1	
	Mar. 1	a	247.5		June 17		224.1	
	Apr. 1	a	249.0		Sep. 8	d	226.3	
	May 1	a	248.0		Oct. 20	d	226.8	
	July 1	a	250.0		Nov. 10	d	226.0	
	Sep. 1	a	254.0		Dec. 15	d	225.6	
	Oct. 1	a	252.0					
	Nov. 6	a	251.0					
	Dec. 1	a	252.0					
1934				1934				
	Jan. 2	a	250.4		Jan. 26		224.3	
1933				1933				
C-201b-G-12	Jan. 13	b	292.4	*C-205-G-12	Jan. 16		172.0	
	Mar. 28		292.6		Mar. 21		171.8	
	May 2		292.0		Apr. 10	e	172.2	
	May 26		294.0		May 2		172.1	
					May 26		172.8	
C-202-G-12	Feb. 14	c	307.	C-206-G-12	June 17		173.2	
	Mar. 1	c	306.		Nov. 13	e	177.3	
	Apr. 5	c	303.					
	May 6	c	305.					
	June 5	c	303.					
	July 15	c	306.					
	Sep. 15	c	303.					
	Oct. 15	c	303.					
	Nov. 15	c	308.					
	Dec. 30	c	307					
1933				1933				
C-204-G-12	Jan. 9		222.3		Jan. 4	e	276.8	
	Feb. 25	d	221.8		Feb. 7	e	277.2	
	Mar. 21	d	221.9		Mar. 14	e	276.4	
					Apr. 5	e	276.8	
					May 10	e	277.3	
					June 8	e	277.6	
					July 6	e	279.2	
					Aug. 3	e	279.0	
					Oct. 5	e	279.9	
					Nov. 10		280.6	
					Dec. 1	e	280.2	
					Dec. 28	e	279.8	
1934				1934				
	Jan. 10	e	278.6		Jan. 10	e	278.6	

* Beginning August 8, 1932, ref. pt. is top edge of 1½ inch pipe plug hole in plate over well, 0.1 foot above top of concrete block, 0.5 foot above ground. Elev. 428.7.

a Measurement from owner.

b Measurement from Pasadena Water Department.

c Measurement from Alhambra Water Department.

d Well No. 1 pumping.

e Measurement from Los Angeles County Flood Control District.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
		<u>Feet</u>				<u>Feet</u>	
	1933				1933		
C-211c-H-11	Apr. 11	a	30.0	C-215-G-13	Jan. 9	b	91.7
	Nov. 13	a	30.7		Feb. 25		91.7
C-211L-H-11	Apr. 11	a	11.5		Mar. 10		91.7
					Apr. 4		92.1
C-212-H-12	Jan. 25		26.7		May 26	b	92.8
	Feb. 22		26.7	June 26	b	93.4	
	Mar. 18		26.8	July 11		92.9	
	Apr. 4		27.1	Dec. 20	c	95.9	
	May 22		27.2	C-217-G-13	Apr. 10	a	122.0
	June 17		27.4		Dec. 29	a	123.2
	July 29		27.7		C-219-G-13	Jan. 4	a
	Aug. 18		27.8	Feb. 15		a	127.4
	Sep. 8		27.8	Feb. 28		a	127.3
	Oct. 20		27.9	Apr. 11		a	128.5
	Nov. 10		28.0	May 10		a	128.6
	Nov. 24		28.1	Aug. 3		a	131.2
	Dec. 13		28.2	Sep. 21		a	132.6
1934				Oct. 10		a	131.3
	Jan. 5		26.3	Nov. 6		a	131.2
	Jan. 26		25.3	Dec. 1		a	131.4
				Dec. 29		a	130.3
	1933				1934		
C-213-H-12	Apr. 13	a	51.2		Jan. 11	a	130.1
	Nov. 8	a	53.0		1933		
C-214-G-13	Jan. 9		102.2	C-220a-G-14	Feb. 25	a	57.6
	Feb. 25		101.8		Mar. 10	a	57.8
	Mar. 10		102.4		Apr. 10	a	58.7
	Apr. 4		102.1		Nov. 14	a	64.6
	May 26		103.2		*C-222g-G-13	Jan. 9	
	June 16		103.6	Feb. 18			57.6
	July 11		103.8	Mar. 18			57.8
	Nov. 9		106.0	Apr. 4			61.3
	Dec. 15		106.3	May 26			62.2
1934				June 17		61.4	
	Jan. 5		105.9	Nov. 10	a	66.2	

* Ref. pt. (a) in Bulletin No. 39 used.

a Measurement from Los Angeles County Flood Control District.

b Pumping nearby.

c Measurement from Pasadena Water Department.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		Feet			Feet
	1933			1933	
C-223-G-13	Jan. 9	43.5	C-232a-H-13	Mar. 28	26.3
	Feb. 18	42.5		Apr. 28	26.7
	Mar. 18	42.2		May 22	27.2
	Apr. 4	42.7		June 17	27.7
	May 26	43.6		Nov. 8 a	30.5
	June 17	44.6		Dec. 25 a	30.1
	July 11	44.9	C-234-H-13	Jan. 25	8.5
	Aug. 17	45.7		Feb. 22	8.3
	Sep. 7	46.0		Mar. 18	8.6
	Oct. 19	47.0		Apr. 4	8.8
	Nov. 9	47.2		May 22	9.7
	Dec. 14	47.5		June 17	9.8
	1934			Aug. 17	11.0
	Jan. 4	46.8		Sep. 7	11.2
	Jan. 25	44.9		Oct. 19	11.2
				Nov. 23	11.0
				Dec. 14	10.2
	1933			1934	
C-227-G-13	Apr. 4 a	29.6		Jan. 4	7.2
	July 11 a	29.6		Jan. 25	8.2
	Nov. 8 a	32.2			
	Dec. 16 a	31.8			
				1933	
*C-230a-H-13	Jan. 9	27.4	C-235-H-13	Jan. 25	4.6
	Feb. 18	24.8		Feb. 22 b	5.5
	Mar. 18	25.2		Mar. 18 b	5.9
	Apr. 4	25.7		Apr. 4 b	6.2
	May 26	26.6		May 22 b	6.8
	June 17	26.9		June 17	7.0
	July 11	28.1	C-236-H-13	Sep. 12 c	6.1
	Aug. 17	28.7		Nov. 8 c	8.0
	Sep. 7	29.1			
	Oct. 19	29.8		Jan. 10	15.6
	Nov. 9	29.1		Feb. 22	14.6
	Dec. 14	30.5		Mar. 18	14.3
	1934			Apr. 5	14.8
	Jan. 4	28.7		May 22	15.7
	Jan. 25	25.3		June 23	17.0
				July 29	18.0

* Beginning March 8, 1932, ref. pt. is at top edge of casting at air line, 1.6 feet above ground. Elev. 278.3.

a Measurement from Pasadena Water Department.

b Stopped mill before measuring.

c Measurement from Los Angeles County Flood Control District.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
	1933			1933	
C-236-H-13 cont.	Aug. 17	18.4	C-239-H-13 cont.	July 29 a	14.1
	Sep. 7	18.8		Sep. 7	13.8
	Oct. 19	19.3		Oct. 19	13.8
	Nov. 9	19.4		Nov. 23	13.7
	Dec. 14	19.7		Dec. 14	13.2
	1934			1934	
	Jan. 4	18.6		Jan. 4	11.7
	Jan. 25	17.5		Jan. 25	12.4
	1932			1933	
C-237w-H-13	Dec. 16	9.6	C-240q-I-13	Jan. 3	3.7
				Mar. 7	3.8
				Apr. 3	4.2
				June 5	4.3
				July 3	5.1
				Aug. 14	5.6
				Sep. 4	4.7
				Oct. 2	5.1
				Nov. 6	4.3
				Dec. 30	4.5
				1934	
				Jan. 6	3.5
				1933	
			C-241-F-14	Jan. 3	145.5
				Mar. 7	145.4
				Apr. 4	145.4
				May 2	145.2
				June 6	145.8
				July 4	146.3
				Sep. 4	147.8
				Oct. 2	148.5
				Nov. 6	149.3
				Dec. 30	150.2
	1934			1934	
	Jan. 4	10.1		Jan. 29	149.7
	Jan. 25	10.0			
	1933				
C-239-H-13	Jan. 10	12.5			
	Feb. 22 a	12.6			
	Mar. 18 a	12.3			
	Apr. 5 a	13.0			
	Apr. 28	12.6			
	May 22 a	13.3			
	June 23 a	14.4			

a Stopped mill before measuring.

Measurements from San Gabriel Valley Protective Association.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
1933			1933		
C-242-F-14	Jan. 9	136.0	C-243b-F-14	Apr. 5 a	69.0
	Feb. 10	134.1		Nov. 14 a	70.1
	Apr. 11	134.4	C-244-G-14	Apr. 1	111.5
	June 13	134.9		May 23	111.8
	Sep. 8	139.6		June 13	112.2
	Sep. 29	140.5		July 11	112.8
	Nov. 24	142.1		Oct. 10 a	115.7
	Dec. 15	142.3		Dec. 15 ab	115.8
1934			C-247i-G-14	Jan. 9	75.4
Jan. 5	143.6	Feb. 25		73.7	
Jan. 26	138.5	Mar. 14		74.1	
1933				Apr. 25	75.1
C-243-F-14	Jan. 9	145.5		May 20	76.0
	Feb. 8	144.6		June 16	76.0
	Mar. 10	143.6		July 11	76.8
	Apr. 11	143.1		Aug. 18	78.0
	May 19	143.0		Sep. 8	78.8
	June 13	143.6		Oct. 20	80.1
	Sep. 29	150.2		Nov. 9	80.4
	Nov. 9	151.6		Dec. 15	81.1
Dec. 15	152.4	1934			
1934			Jan. 5	79.1	
Jan. 5	152.0	Jan. 26	75.6		
Jan. 26	148.4	1933			
1933			C-248-G-14	Apr. 1	62.8
C-243a-G-14	Apr. 11 a	124.8		May 20	64.1
	Nov. 6 a	139.5		June 16	64.6
	Dec. 15 a	124.5		Nov. 14 a	69.4
	Dec. 29 a	141.0	Dec. 16 c	67.1	
1934			*C-249-G-14	Jan. 3 a	69.2
Jan. 5 a	133.2	Feb. 7 a		66.0	
Jan. 11 a	130.7	Mar. 7 a		66.6	
		Apr. 4 a		67.2	
		May 2 a		67.6	
		June 9 a		68.3	

* Reference point is bottom of pumpbase. Elev. 332.3.

a Measurement from Los Angeles County Flood Control District.

b Dry.

c Measurement from Pasadena Water Department.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P.	Well Number	Date	Dist.R.P.
		to water surface			to water surface
		<u>Feet</u>			<u>Feet</u>
1933			1934		
C-249-G-14 cont.	July 5 a	69.9	C-253j-H-14 cont.	Jan. 4	45.8
	Aug. 1 a	71.1		Jan. 25	44.2
	Sep. 5 a	72.9	1933		
	Oct. 3 a	74.0	C-259-H-14	Jan. 7	36.2
	Nov. 6	75.5		Feb. 17	34.3
	Dec. 12 a	76.1		Mar. 11	34.0
	Dec. 29 a	75.2		Apr. 5	34.7
1934				May 20	38.3
Jan. 5 a	72.9	June 16		39.7	
1933				July 14	39.2
C-251h-G-14	Jan. 9	56.2		Aug. 17	41.6
	Feb. 18	54.6		Sep. 7	41.4
	Mar. 18	54.2		Oct. 19	43.0
	Apr. 11	54.7		Nov. 10	42.0
	May 26	55.7		Dec. 14	42.3
	June 16	56.3	1934		
	July 11	58.3	Jan. 4	40.3	
	Aug. 17	59.3	Jan. 25	39.0	
	Sept. 7	60.1	1933		
	Oct. 19	61.3	C-262-H-14	Jan. 7	58.6
	Nov. 10	61.8		Feb. 17	57.2
	Dec. 14	62.4		Mar. 11	56.8
1934				Apr. 5	56.8
Jan. 4	61.9	Apr. 22		57.5	
Jan. 25	59.2	June 16		59.0	
1933				July 14	60.8
C-253j-H-14	Jan. 9	40.6		Aug. 17	64.8
	Feb. 18	39.4		Sep. 7	64.0
	Mar. 18	38.9		Oct. 19	64.5
	Apr. 5	39.1		Nov. 10	65.6
	May 22	40.1		Dec. 14	65.2
	June 16	40.9	1934		
	July 29	42.8	Jan. 4	63.6	
	Aug. 17	43.7	Jan. 25	62.2	
	Sep. 7	43.5			
	Oct. 19	45.6			
	Nov. 10	45.9			
	Dec. 14	46.4			

a Measurement from Los Angeles County Flood Control District.

Measurements from San Gabriel Valley Protective Association except as noted.

Dist.R.P. to water surface			Dist.R.P. to water surface		
Well Number	Date	Feet	Well Number	Date	Feet
1933			1933		
C-264-H-14	Jan. 7	45.1	C-278-F-15	Feb. 8	20.4
	Feb. 17	44.0		Mar. 24	14.4
	Mar. 11	43.6		Apr. 12 a	19.2
	Apr. 5	44.0		May 19	22.1
	May 20	46.1		June 6	24.8
	June 16	48.9		July 1	30.5
	Dec. 16 a	48.4		July 22	36.0
				Sep. 8	49.4
*C-266-H-14	Jan. 7	31.4		Oct. 27	61.5
	Feb. 17	29.9		Nov. 9	62.6
	Mar. 11	29.8		Dec. 15	68.6
	Mar. 25	30.5			
	Apr. 22	35.6		1934	
	May 20	36.3		Jan. 4	55.2
	Aug. 17	41.2		Jan. 25	22.2
	Sep. 28	40.1			
	Oct. 19	38.8		1933	
	Nov. 10	38.1			
	Dec. 14	36.8			
	1934				
	Jan. 4	35.1			
	Jan. 25	34.0			
	1933				
C-277-F-15	Jan. 9	47.3			
	Feb. 8	34.0			
	Mar. 10	27.3			
	Mar. 24	27.7			
	Apr. 21	30.5			
	May 19	33.9			
	July 1	37.6			
	Aug. 18	45.1			
	Sep. 8	48.0			
	Oct. 19	55.3			
	Nov. 9	59.0			
	Dec. 15	64.5			
	1934				
	Jan. 4	59.2			
	Jan. 25	34.2			

* Ref. pt. is top of steel base plate over well, 1.1 feet above ground.
Elev. 294.6.

a Measurement from Pasadena Water Department.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
	1933			1933	
C-281-F-15	Jan. 9	160.0	C-284-G-15	Jan. 7	208.6
	Feb. 8	162.7		Feb. 18	207.6
	Mar. 10	72.9		Mar. 18	205.1
	Mar. 24	68.9		Apr. 8	203.8
	Apr. 21	74.5		Apr. 22	203.3
	May 19	82.2		May 19	204.2
	June 10	86.9		June 10	203.8
	July 1	96.4		July 14	207.5
	Aug. 18	121.8		Nov. 3 a	216.9
	Sep. 8	132.5	C-285-F-16	Feb. 8	30.4
	Oct. 19	152.0		Mar. 10 b	24.1
	Nov. 9	160.6		Apr. 21	42.5
	Dec. 15	172.8		May 19	47.6
	1934			June 6	56.4
	Jan. 4	178.5		July 1	69.1
	Jan. 25	174.3		Nov. 9	115.8
				Dec. 15	120.9
	1933			1934	
C-282-F-14	Jan. 9	195.4		Jan. 4	78.9
	Feb. 8	194.8		Jan. 25	36.7
	Mar. 10	193.3			
	Apr. 21	192.4		1933	
	May 19	191.8	C-291-G-14	Feb. 17	104.3
	July 14	193.9		Mar. 18	103.4
	Sep. 29	199.8		Apr. 8	103.1
	Oct. 20	200.8		May 23	103.2
	Nov. 9	201.5		June 10	103.7
	Dec. 15	202.4		July 14	105.8
	1934			Aug. 17	109.2
	Jan. 5	202.4		Sep. 7	110.0
	Jan. 24	199.7		Oct. 19	112.0
	1933			Nov. 23	112.8
				Dec. 14	113.2
				1934	
C-282b-F-15	Apr. 5 a	236.7		Jan. 4	112.6
*C-283-G-15	Apr. 10 a	171.6		Jan. 24	108.6
	Nov. 3 a	182.7			

*Ref. pt. is top of pit, 0.5 foot above ground. Elev. 442.7.

a Measurement from Los Angeles County Flood Control District.

b Spreading water.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P.	Well Number	Date	Dist.R.P.
		to water surface <u>Feet</u>			to water surface <u>Feet</u>
	1933			1933	
C-294-G-15	Jan. 3	116.4	C-296-G-15	Jan. 7	153.5
	Jan. 31	115.9		Feb. 17	152.4
	Feb. 28	114.6		Mar. 24	151.0
	Mar. 14	114.0		Apr. 8	150.4
	Mar. 28	113.6		Apr. 22	150.2
	Apr. 25	113.2		May 20	149.7
	May 16	113.0		June 13	150.4
	May 30	113.4		Nov. 24	a 161.8
	June 13	114.0	C-300-H-15	Jan. 3	135.0
	July 4	115.7		Feb. 14	134.5
	July 31	118.0		Feb. 28	134.0
	Aug. 28	120.6		Mar. 14	133.7
	Sep. 18	121.6		Mar. 28	133.4
	Oct. 5 a	122.3		Apr. 11	133.1
	Oct. 26 a	123.1		May 2	133.0
	Dec. 7 a	124.0		June 13	133.2
	Dec. 21 a	123.7		July 17	135.1
	1934	Aug. 14		137.2	
Jan. 4 a	123.2	Sep. 11		139.0	
C-294a-G-15	See page 72			Oct. 2	139.6
			Oct. 16	140.1	
	1933		Nov. 13	140.2	
C-295-G-15	Jan. 7	123.9	Dec. 4	141.5	
	Feb. 17	122.8	Dec. 23	141.5	
	Mar. 11	121.9		1934	
	Mar. 24	121.4	Jan. 6	141.3	
	Apr. 8	120.9	Jan. 29	140.5	
	Apr. 22	120.6		1933	
	May 20	120.4			
	June 13 b	130.0	C-304-H-15	Jan. 7	84.2
	July 14 b	133.8		Feb. 17	83.0
	Aug. 17 b	138.3		Mar. 25	82.3
	Sep. 7 b	140.7		Apr. 22	82.7
	Oct. 19 b	139.7		May 20	83.0
	Nov. 10 b	140.8		June 16	84.6
	Nov. 23 b	141.6			
	1934				
Jan. 4	131.0				
Jan. 25	129.0				

a Measurement from Los Angeles County Flood Control District.

b Pumping.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
	1933			1933	
C-305-H-15	Jan. 7	107.9	C-312-H-15	Jan. 7	73.5
	Feb. 17	107.1		Feb. 17	72.6
	Apr. 22	107.0		Mar. 11	72.4
	May 20	104.4		Mar. 25	72.5
	June 16	106.0		Apr. 28	76.4
	Nov. 28 a	114.3		May 20	77.0
C-307-H-15	Jan. 7	91.0		June 16	80.6
	Feb. 17	90.3		July 14	80.4
	Mar. 25	89.9		Sep. 7	83.2
	Apr. 22	90.2		Sep. 28	83.6
	May 20	90.2		Oct. 19	83.1
	June 17	91.3		Nov. 10	80.9
	July 14	92.2		Nov. 23	83.9
	Aug. 17	94.3		Dec. 15	80.0
	Sep. 7	95.8			
	Sep. 29	95.1		1934	
	Nov. 10	95.8		Jan. 4	78.6
	Dec. 14	96.6		Jan. 25	77.4
	1934			1933	
	Jan. 5	96.3	C-313-H-15	Nov. 22 a	70.2
	Jan. 25	95.9			
	1933		C-314-I-15	Apr. 9 b	65.2
C-309-H-15	Jan. 7	56.2	C-317-I-15	Jan. 7	45.3
	Feb. 17	55.7		Feb. 17	43.7
	Mar. 25	55.8		Mar. 11	43.1
	Apr. 22	58.5		Apr. 28	44.2
	May 20	59.0		May 20	44.8
	June 16	60.9		June 16	47.0
	July 29	66.2		July 14	47.9
	Sep. 7	63.1		Aug. 17	49.8
	Oct. 19	63.0		Sep. 7	49.6
	Nov. 10	64.4		Oct. 19	49.0
	Nov. 23	64.8		Nov. 10	48.6
	Dec. 14	62.2		Dec. 14	48.9
	1934			1934	
	Jan. 4	61.2		Jan. 4	47.8
	Jan. 25	60.4		Jan. 25	46.9

a Measurement from Los Angeles County Flood Control District.

b Measurement from Pasadena Water Department.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date		Dist.R.P. to water surface <u>Feet</u>	Well Number	Date		Dist.R.P. to water surface <u>Feet</u>
	1933				1933		
C-320-F-16	Feb. 3	a	15.0	C-325-F-16	Jan. 4	b	94.2
	June 26	a	30.7		Feb. 7	b	14.5
	Dec. 19	a	38.0		Mar. 7	b	2.0
C-322-F-16	Jan. 4	b	103.1		Dec. 15	b	127.6
	Feb. 7	b	26.4		Dec. 29	b	99.2
	Mar. 7	b	34.4	C-328-F-16	Jan. 9	e	102.4
	Apr. 4	b	30.7		Feb. 8		47.2
	May 5	b	47.8		Mar. 10	f	14.8
	June 8	b	61.6		Apr. 21	e	32.9
	July 6	bc	78.8		May 19	e	45.5
	Aug. 6	bc	100.4		June 20	e	57.0
	Sep. 29	b	122.5		July 1		62.5
	Oct. 11	b	126.1		Aug. 18	e	90.3
	Nov. 10	b	130.4		Sep. 7		97.4
	Nov. 27	b	135.3		Oct. 19		115.3
	Dec. 29	b	111.1		Nov. 9		116.6
	1934				Dec. 14	e	126.2
	Jan. 8	b	77.8		1934		
	1933				Jan. 4		111.8
C-323-F-16	Jan. 9		99.5		Jan. 25		54.2
	Feb. 8		14.7		1933		
	Mar. 24		13.3	C-333-F-16	Feb. 8		113.7
	Apr. 21		37.9		Mar. 24		35.3
	May 19		50.5		Apr. 4	b	35.8
	June 10		65.0		May 19		56.6
	July 1		78.7	C-334-F-16	Jan. 9		92.0
	Aug. 18	d	109.6		Feb. 8		91.2
	Sep. 7	d	119.6		Mar. 24		28.9
	Oct. 19	d	131.8		Apr. 21		22.3
	Nov. 9	d	138.6		May 19		30.7
	1934				June 10		38.2
	Jan. 4		96.0		July 1	b	57.6
	Jan. 25		22.0		July 31	b	76.4
					Sep. 11	b	95.3

a Measurement from Pasadena Water Department.

b Measurement from Los Angeles County Flood Control District.

c Measurement by operator.

d No. C-325-F-16 pumping.

e No. C-329 pumping.

f Spreading water nearby.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
C-334-F-16	Oct. 19	106.8	*C-333-G-16	Jan. 7	243.5
cont.	Nov. 9	a 111.7		Feb. 17	242.8
	Dec. 14	116.9		Mar. 24	242.8
	1934			Apr. 22	242.2
	Jan. 4	115.8		July 14	244.8
	Jan. 25	105.1		Sep. 28	247.6
	1933			Oct. 19	247.7
				Nov. 23	249.4
				Dec. 14	249.4
C-335-G-16	Jan. 7	262.2		1934	
	Feb. 18	261.1		Jan. 4	247.9
	Mar. 18	255.6		Jan. 25	248.5
	Apr. 8	255.1		1933	
	May 19	254.2			
	June 10	256.9			
	July 14	261.4	C-343-H-16	Jan. 3	192.1
	Oct. 19	272.9		Feb. 7	190.0
	Nov. 10	271.0		Mar. 14	190.2
	Dec. 14	271.3		Apr. 4	193.1
	1934			May '2	191.9
	Jan. 4	270.4		June 6	194.7
	Jan. 25	269.2		July 4	195.1
	1933			Aug. 7	200.6
				Aug. 28	197.5
C-337-G-16	Feb. 17	292.4		Oct. 16	193.4
	Apr. 28	292.4		Nov. 6	197.1
	May 20	292.5		Dec. 30	195.8
	July 14	292.3		1934	
	Aug. 17	292.3		Jan. 29	194.8
	Sep. 7	292.2		1933	
	Oct. 19	292.6			
	Nov. 10	293.0			
	Nov. 23	294.2	C-354-H-16	Apr. 12	a 177.9
	Dec. 14	293.1		Nov. 22	a 164.8
	1934				
	Jan. 4	293.0			
	Jan. 25	293.7			

* Beginning October 19, 1933, return to old ref. pt. Elev. 534.4.

a Measurement from Los Angeles County Flood Control District.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist. R.P. to water surface <u>Feet</u>	Well Number	Date	Dist. R.P. to water surface <u>Feet</u>
1933			1933		
C-360-G-16	Jan. 7	182.8	C-364-I-15	Mar. 25	32.7
	Feb. 17	181.3		Apr. 25 b	34.2
	Mar. 11	184.4		May 20	34.2
	Apr. 8	183.6		Nov. 20 b	36.9
	May 2	182.7	C-366-F-15		
	June 6	182.8		Apr. 18 a	267.0
	July 4	184.7	C-367-F-15	Jan. 9	279.8
	Sep. 4	191.6		Feb. 8	279.1
	Oct. 2	193.2		Mar. 10	273.9
	Nov. 6	194.4		Apr. 21	268.8
	Dec. 4	195.2		May 19	270.2
	Dec. 30	194.3		June 10	271.7
1934		July 1		273.7	
Jan. 22	193.4	Aug. 18		280.3	
		Sept. 8		282.8	
1933		Oct. 19		285.8	
C-362-G-15	Feb. 15	228.1		Nov. 9	286.6
	Mar. 13	225.3		Dec. 14	287.7
	Apr. 8	224.2	1934		
	May 19	222.8	Jan. 5	287.3	
	June 10	223.8	1933		
	July 29	229.2	C-376-G-11	Mar. 28	259.4
	Aug. 17	231.6		May 2	259.3
	Sep. 7	233.9		June 17	259.7
	Oct. 19	236.6		Sept. 8	260.2
	Nov. 10	237.0		Oct. 20	260.4
	Dec. 8	237.6		Nov. 10	260.5
	1934			Dec. 15	260.7
Jan. 4	236.7	1934			
		Jan. 25	235.2		
1933		Jan. 5	260.7		
C-363-H-14	Jan. 9	30.4	Jan. 26	260.0	
	Feb. 22	29.0	1933		
	Mar. 18	28.6	C-382-H-14	Apr. 12 b	55.2
	Apr. 5	28.7		C-383-I-14	Apr. 12 b
	May 22	30.2	Nov. 6 b		22.8
	June 23	31.2			
	Dec. 24 a	32.3			

a Measurement from Pasadena Water Department.

b Measurement from Los Angeles County Flood Control District.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
			<u>Feet</u>				<u>Feet</u>
	1933				1933		
*C-383c-I-13	Apr. 12	a	12.4	C-405-F-17	Jan. 3	a	432.9
	Nov. 5	a	12.8	cont.	Feb. 14	a	431.2
C-387-G-16	Jan. 7		218.4		Mar. 7	a	430.7
	Feb. 15		217.4		Apr. 4	a	431.2
	Mar. 15		214.8		May 2	a	430.8
	Apr. 8		214.0		June 16	a	431.7
	May 19		212.5		July 11	a	431.9
	June 10		213.6		Sep. 5	a	434.2
	July 14		220.1		Oct. 3	a	437.1
					Dec. 5	a	433.7
C-399-G-16	Jan. 7		313.4	C-415-F-17	Apr. 11	a	149.7
	Mar. 11		305.3		Nov. 24	a	153.4
	Dec. 13	a	316.3				
C-401-F-16	Apr. 19	a	167.6	C-432-G-17	Nov. 3	a	110.6
C-401c-F-16	Jan. 9		279.2	C-437-G-17	Apr. 10	a	133.9
	Feb. 8		279.0		Nov. 3	a	159.0
	Mar. 10		278.6	**C-452c-G-17	Apr. 12	a	198.8
	Apr. 21		278.3		Dec. 6	a	201.9
	July 14		277.2				
	Aug. 17		276.7	C-453-G-17	Apr. 12	a	84.3
	Sep. 7		276.5		Nov. 22	a	86.6
	Oct. 19		276.4				
	Nov. 10		276.5	C-485-F-18	Jan. 3	a	390.5
	Dec. 14		276.5		Feb. 7	a	382.5
					Mar. 14	a	374.5
	1934				Apr. 4	a	381.7
	Jan. 4		276.2		May 2	a	383.1
	Jan. 25		276.1		June 9	a	390.2
					July 5	a	393.4
	1933				Aug. 1	a	391.8
					Sep. 5	a	399.7
C-404a-F-17	Apr. 19	a	36.9		Oct. 10	a	408.1
					Oct. 31	a	405.8
	1932				Nov. 21	a	408.7
					Dec. 20	a	396.7
C-405-F-17	Dec. 20	a	435.5	C-498-G-18	Dec. 18	a	325.0

* Ref. pt.--Base of pump, 1.2 foot above ground. Elev. 219.4.

** Ref. pt.--Top of casing, 0.8 feet above ground. Elev. 672.2.

a Measurement from Los Angeles County Flood Control District.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist. R.P. to water surface
		Feet			Feet
	1933			1933	
C-504-G-18	Jan. 3	375.3	C-558-G-18	Feb. 3	257.6
	Feb. 3	375.3		Mar. 3	257.3
	Mar. 3	378.3		Apr. 11	256.9
	Apr. 3 a	376.2		Aug. 18	255.6
	Apr. 11	378.3		Oct. 6	256.0
	Dec. 26 a	378.3		Nov. 13	255.9
C-509-F-18	Jan. 3	257.8		1934	
	Feb. 4	257.4		Jan. 6	255.9
	Mar. 13	257.3			
	Apr. 11	257.5		1933	
	Aug. 18	257.9			
	Dec. 27 a	258.0			
C-522a-G-17	Dec. 6 a	107.8	C-561-G-18	Aug. 17	180.2
C-534-G-18	Jan. 3	149.6		Oct. 6	170.1
	Feb. 3	149.2		Nov. 13	168.6
	Mar. 3	149.0			
	Apr. 3 a	148.9	C-581c-G-18	See page 72	
	Apr. 11	148.9		1932	
	Aug. 17	149.7			
	Oct. 6	151.2	C-586e-G-18	Apr. 16	412.0
	Nov. 13	150.9		Dec. 4	435.5
	Dec. 27 a	150.5		1933	
	1934			Jan. 3	462.2
	Jan. 6	149.2		Feb. 3	452.4
	1933			Mar. 3	445.5
				Oct. 6	501.6
				Nov. 13 b	554.1
C-547-G-18	Jan. 3	351.0		1934	
	Feb. 4	341.5		Jan. 6	436.9
	Mar. 3	337.0			
	Apr. 11 b	370.0			
	Oct. 6 b	422.0			
	Nov. 13 b	409.5			
	1934				
	Jan. 8 b	379.0			

a Measurement from Los Angeles County Flood Control District.

b Pumping.

Measurements from La Verne Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
C-593a-G-19	Jan. 3	322.0	C-612a-G-18	Jan. 3	230.7
	Feb. 4	321.0		Feb. 3	225.8
	Mar. 3	318.0		Mar. 3	221.7
				Apr. 11	218.7
	1934			Aug. 17	220.3
	Jan. 8	326.5		Oct. 6	222.8
				Nov. 13	224.0
	1933			1934	
C-595-G-19	Jan. 3	210.3		Jan. 6	222.1
	Feb. 4	208.5			
	Mar. 3	207.5		1933	
	Apr. 11	209.9			
	Aug. 18	213.7	C-627-G-19	Jan. 3	274.3
	Oct. 6	211.6		Feb. 4	253.9
	Nov. 14	209.3		Mar. 3	246.0
	Dec. 26 a	208.6		Apr. 11	269.6
				Aug. 18	300.7
	1934			Oct. 6	295.1
	Jan. 8	206.7		Nov. 14	304.4
	1933			1934	
*C-603-G-19	Apr. 3 a	345.7		Jan. 8	281.1
	1932			1933	
C-611-G-19	Dec. 29 a	302.0	C-655d-F-19	Jan. 4 bo	289.5
				Feb. 4 c	226.3
	1933			Mar. 4 c	220.1
				Apr. 12 bc	297.7
	Feb. 3	299.5		1933	
	Mar. 3	296.0			
	Aug. 17	329.4	C-655q-F-19	Mar. 31 a	37.8
	Oct. 6 b	314.0			
	Dec. 18 a	296.0			
	1934				
	Jan. 6	325.1			

* Distance from reference point to water surface, as published in Bulletin No. 39, is in error.

a Measurement from Los Angeles County Flood Control District.

b Pumping.

c Measurement from J.R. Shoemaker.

Measurements from La Verne Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
C-656-F-20	Jan. 4	193.6	C-659g-G-20	Jan. 4	67.7
	Feb. 4	192.3		Feb. 4	62.4
	1934			Mar. 4	57.8
	Jan. 4	217.4		Apr. 12	71.1
	1933			June 9	a 81.7
				Aug. 22	84.5
				Oct. 7	74.1
				Dec. 5	a 67.3
				Dec. 30	b 75.8
C-656a-F-20	Feb. 4	221.9	C-659i-G-20	Jan. 4	174.4
	Oct. 7	274.0		Feb. 4	173.0
	1934			1934	
	Jan. 4	269.0		Jan. 4	200.7
	1932			1933	
*C-658-G-20	Dec. 21	a 177.4	D-660-G-19	Mar. 4	203.5
	1933		C-663-G-19	Jan. 4	267.1
	Jan. 4	174.2		Feb. 4	261.4
	Feb. 4	164.5		Mar. 4	255.8
	Mar. 4	159.6		Apr. 12	250.1
	Apr. 4	b 170.		Oct. 7	280.1
	May 15	b 169.9		Nov. 22	304.8
	June 4	b 180.		1934	
	July 13	b 183.		Jan. 5	270.4
	Oct. 30	b 191.		1932	
	Nov. 13	b 200.			
	Dec. 13	b 198.			
	1934		C-665-G-20	Dec. 21	a 273.8
	Jan. 4	191.3		1933	
	1933			Jan. 4	266.9
C-659c-G-20	Jan. 4	146.1		Feb. 4	253.0
	Feb. 4	135.9		Mar. 4	246.1
	Mar. 4	128.3		Apr. 1	a 240.0
	Apr. 12	133.0		1934	
	Aug. 22	147.2			
	Oct. 7	150.9		Jan. 5	276.1

*Beginning Feb. 4, 1933, ref. pt. is top edge of steel, I beams at ground level.

a Measurement from Los Angeles County Flood Control District.

b Measurements from West End Consolidated Water Company.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
C-670e-G-19	Jan. 4	251.8	*C-681-H-19	Apr. 17	b 94.6
	Feb. 4	248.6		Aug. 24	a 116.8
	Mar. 4	246.3		Oct. 12	a 99.2
	Apr. 12	239.9		Nov. 8	b 98.4
	Aug. 23	252.1			
	Oct. 9	257.1		1934	
	Nov. 17	255.5		Jan. 24	a 92.6
	1934			1933	
	Jan. 5	249.1	C-682p-I-19	Apr. 4	b 66.8
	1933			Apr. 17	b 67.9
				Nov. 8	b 73.2
C-673-H-19	Jan. 21	a 174.3		1934	
	Nov. 21	bc 189.3		Feb. 14	a 67.3
	1934			1933	
	Feb. 13	a 177.8	C-700a-I-16	Apr. 11	b 35.5
	1932				
C-673d-H-19	Feb. 24	a 43.6	C-701-I-17	Jan. 3	b 31.7
	1934			Feb. 7	b 29.9
	Feb. 13	a 52.7		Mar. 7	b 28.8
	1933			Mar. 21	b 28.5
				Apr. 4	b 29.6
C-678k-H-19	Nov. 8	bd 103.4		May 2	b 31.2
				June 9	b 33.5
				July 5	b 37.3
				Aug. 8	b 37.9
				Sep. 5	b 38.1
				Oct. 17	b 36.9
				Nov. 21	b 36.3
				Dec. 20	b 36.1

* Beginning Aug. 24, 1933, ref. pt. is top of casing, 0.3 foot above ground. Elev. 810.1.

a Measurement from J.R. Shoemaker.

b Measurement from Los Angeles County Flood Control District.

c Ref. pt.--Base of pump at ground. Elev. 899.7.

d Ref. pt.--Floor of pump house at ground. Elev. 807.5.

Measurements from Pomona Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
		Feet				Feet	
	1933				1933		
C-703-H-18	Apr. 17		109.8	C-803g-I-12	Jan. 24	b	45.1
	Nov. 21		116.8		Feb. 25	b	40.9
					Apr. 1	b	40.8
C-703c-H-18	Apr. 14		102.9		May 15	b	43.4
	Nov. 15		107.3		June 19	b	45.3
					Aug. 3	b	48.8
*C-704-H-18	Apr. 17		67.8		Sep. 14	b	51.0
	Nov. 15		70.1		Oct. 5	b	51.7
					Nov. 16	b	51.7
C-705-H-17	Nov. 15	a	58.9		Dec. 28	b	50.6
	1932				1934		
C-705a-I-17	Nov. 28		33.5		Jan. 16	b	46.0
	1933				1933		
	Apr. 17		31.0	C-803r-I-12	Jan. 11	b	73.7
					Feb. 25	b	67.8
C-707-I-17	Apr. 11		15.3		Apr. 1	b	69.9
	Nov. 14		16.8		May 15	b	75.8
					June 30	b	80.0
C-708-I-15	Apr. 18		62.8		Aug. 24	b	83.6
					Sept. 14	b	84.2
C-708a-I-15	Nov. 21		73.9		Oct. 5	b	85.1
					Nov. 16	b	85.8
C-709-I-16	Apr. 11		42.5		Dec. 7	b	85.3
					Dec. 28	b	77.0
C-712-J-16	Apr. 18		45.9		1934		
	Nov. 21		40.2				
C-713-I-16	Apr. 18		69.5		Jan. 16	b	65.2
	Nov. 21		71.6				
					1933		
C-714-J-15	Apr. 25		6.9				
	Nov. 20		7.6	C-804L-I-13	Apr. 28		27.6
C-801a-I-13	Jan. 11	b	62.3	C-804q-I-13	Apr. 12		27.2
	Feb. 25	b	54.7		Nov. 6		28.1
	June 30	b	65.0				
				C-804t-I-13	Apr. 28		42.4

* Ref. pt.--Top of casing at ground. Elev. 704.0.

a Ref. pt.--Top of casing 0.5 foot above ground. Elev. 640.0

b Measurement from San Gabriel Valley Protective Association.

Measurements from Los Angeles County Flood Control District except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1934	
C-806-I-12	Apr. 28 a	22.0	C-810-I-11 cont.	Jan. 16	123.8
C-807-I-12	Jan. 13	97.4		1933	
	Feb. 7	88.6	C-812-I-11	Apr. 24 a	60.0
	Apr. 1	91.8		Nov. 28 a	66.0
	May 27	95.3	C-813-J-12	Apr. 25 a	57.0
	June 30	97.1		Dec. 11 a	65.3
	Aug. 24	100.6	C-814-I-13	Jan. 11	61.2
	Sep. 14	101.6		Jan. 31	59.3
	Oct. 5	102.5		Mar. 7	54.5
	Oct. 26	103.1		Apr. 1	54.7
	Dec. 7	103.7		May 15	57.1
	Dec. 28	101.9		June 16	59.6
	1934			Sep. 14	67.0
	Jan. 16	92.6		Oct. 5	68.5
	1933			Nov. 16	68.1
C-808-I-12	Jan. 13	87.1		Dec. 28	67.6
	Feb. 7	87.2		1934	
	Apr. 1	85.6		Jan. 16	64.4
	May 27	86.5		1932	
	June 30	87.4			
	Aug. 3	88.7	*C-819-J-13	Dec. 1 a	21.8
	Sep. 14	90.2		1933	
	Oct. 5	90.8		Jan. 5 a	21.5
	Nov. 16	92.1		Feb. 2 a	20.4
	Dec. 28	92.7		Mar. 2 a	20.0
	1934			Apr. 6 a	20.5
	Jan. 16	92.2		May 2 a	17.6
	1933			June 1 a	19.6
C-810-I-11	Jan. 13	119.8		July 6 a	21.9
	Feb. 7	120.1		Aug. 3 a	21.1
	Apr. 1	120.6		Oct. 5 a	22.5
	May 27	120.9		Nov. 24 a	23.1
	June 30	121.1		Dec. 21 a	23.3
	Sep. 14	122.0		1934	
	Oct. 5	122.2		Jan. 4 a	17.8
	Nov. 16	123.0			
	Dec. 28	125.1			

* Beginning Jan. 6, 1932, ref. pt. is top of casing at ground. Elev. 150.
a Measurement from Los Angeles County Flood Control District.
Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface Feet	Well Number	Date	Dist. R.P. to water surface Feet
1933			1933		
C-325g-J-12	Apr. 19 a	47.5	C-343-K-12	Jan. 4	32.5
	Dec. 20 a	55.5		Feb. 1	31.2
				Mar. 1	31.3
C-327-J-12	Jan. 13	51.2		Apr. 3	33.2
	Feb. 15	50.6		May 1	33.7
	Mar. 1	50.4		June 5	36.1
	Mar. 29	50.7		July 3	33.2
	May 15	51.2		Sep. 4	39.9
	June 24	52.0		Oct. 2	40.2
	Aug. 3	53.1		Nov. 6	38.5
	Sep. 14	54.4		Dec. 4	37.3
	Oct. 5	55.0			
	Nov. 16 b	56.1		1934	
	Dec. 28 b	56.6		Jan. 3	35.6
				Jan. 24	34.6
1934			1933		
	Jan. 16	56.2			
1933			C-352-K-13	Jan. 6	38.5
C-328-J-12	Jan. 13	46.6		Feb. 9	37.1
	Feb. 15	45.3		Mar. 2	37.3
	Mar. 1	45.7		Mar. 31	38.5
	Mar. 29	46.1		May 1	41.4
	May 15	47.7		June 22	46.0
	June 24	49.0		July 13	47.9
	Aug. 3	50.4		Aug. 24	49.7
	Sep. 14	51.2		Sep. 14	48.7
	Oct. 26	51.5		Oct. 5	48.1
	Nov. 16	51.5		Nov. 16	45.8
	Dec. 28	51.0		Dec. 28	42.5
1934				1934	
	Jan. 16 b	51.1		Jan. 16	41.4
1933				1933	
C-329j-J-11	Apr. 24 c	44.4	C-353-K-13	Jan. 6	45.3
				Feb. 9	44.0
				Mar. 2	44.3
C-334c-J-11	Apr. 21 cd	38.4		Mar. 31	46.1

a Measurement from Pasadena Water Department.

b Stopped windmill to measure.

c Measurement from Los Angeles County Flood Control District.

d Ref. pt. is hole in floor of recorder, 2.1 feet above ground. Elev. 119.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface Feet	Well Number	Date	Dist.R.P. to water surface Feet
	1933			1933	
C-853-K-13 cont.	Aug. 3	53.5	C-853-L-13	Apr. 26 a	29.5
	Aug. 24	55.5		Dec. 20 a	27.2
	Oct. 26	52.9			
	Nov. 17	50.7	**C-860a-L-12	Feb. 26 c	26.1
	Dec. 28	48.8		Mar. 31	29.7
				May 11	33.6
	1934			June 22	42.0
	Jan. 17	48.4		Aug. 25	41.0
				Oct. '5	40.3
	1933			Oct. 26	35.8
C-853a-K-13	Jan. 6	65.1		Nov. 16	34.8
	Feb. 9	64.5		Dec. 7	35.1
	Mar. 2	64.0		Dec. 28	28.8
	Mar. 31	65.0			
	May 11	65.0		1934	
	June 22	67.0		Jan. 16	27.1
	July 13	67.5			
	Aug. 24	68.9		1933	
	Sep. 14	69.4	C-861-L-12	Jan. 6	25.0
	Oct. 5	69.7		Jan. 26	22.0
	Nov. 16	69.5		Mar. 2	24.4
	Dec. 28	68.5		Mar. 31	30.6
				May 11	30.5
	1934			June 22	38.1
	Jan. 16	68.0		July 13	41.2
				Sep. 14	41.9
	1933			Oct. 26	36.2
				Dec. 7	33.4
				Dec. 28	26.3
C-855f-L-13	Apr. 28 a	25.3			
	Dec. 20 a	23.4		1934	
*C-856c-L-13	Jan. 27 b	24.7		Jan. 16	24.3
	Feb. 27 b	24.8			
	Mar. 17 b	24.0		1933	
C-857-K-13	Jan. 6 a	35.4	C-863-K-12	Apr. 24 a	31.4
	Apr. 26 a	33.0		Nov. 28 a	31.2

* Beginning Apr. 4, 1932, ref. pt. is top of casing 0.3 foot below ground. Elev. 74.7.

** Beginning Mar. 25, 1932, ref. pt. is at end of 3/4 inch pipe in concrete at pump base. Elev. 86.6.

a Measurement from Los Angeles County Flood Control District.

b Measurement from Orange County Flood Control District.

c Motor warm.

Measurements from San Gabriel Valley Protective Association except as noted.

			Dist.R.P. to water surface				Dist.R.P. to water surface
Well Number	Date		<u>Feet</u>	Well Number	Date		<u>Feet</u>
	1933				1933		
C-865-K-11	Apr. 24	a	39.2	C-874-K-11	Jan. 13		33.4
	Nov. 28	a	43.1		Feb. 15		31.5
C-866-K-11	Apr. 21	a	34.9		Mar. 29		35.2
	Nov. 27	a	37.9		May 24		40.4
C-872-K-11	Jan. 13		26.5	June 24		41.0	
	Feb. 15		23.8	Aug. 24		45.7	
	Mar. 29		27.5	Sep. 14		42.3	
	May 24		32.1	Oct. 5		42.9	
	June 24		33.7	Nov. 16		39.1	
	Aug. 23		35.8	Dec. 8		38.1	
	Sep. 14		34.5	Dec. 28		35.3	
	Oct. 5		34.0		1934		
	Oct. 26		33.7	Jan. 16		33.9	
	Nov. 16		31.5		1933		
	Dec. 7		29.9	C-877d-L-11	Jan. 13		10.5
	Dec. 28		27.7		Feb. 15		8.0
C-872a-K-11	Jan. 4		17.6		Mar. 29		11.2
	Jan. 17		18.0		May 13		13.4
	Feb. 1		16.2		June 24		15.8
	Mar. 1		15.0		Aug. 24		21.8
	Apr. 5		20.6		Sep. 14		19.6
	May 3		21.7		Oct. 5		18.8
	June 7		23.2		Nov. 16		16.1
	July 5		27.6		Dec. 7		13.9
	Aug. 7		27.8		Dec. 29		11.4
	Sep. 4		27.3			1934	
	Oct. 2		25.2	Jan. 16		10.0	
	Nov. 6		23.8		1933		
	Dec. 4		22.7	C-885-a-L-11	Jan. 6		9.1
	Dec. 27		20.4		Feb. 15		7.5
	1934		Mar. 8			10.5	
Jan. 3		19.6	Mar. 29			9.5	
Jan. 24		19.1	May 13			12.9	
			June 24			13.4	

a Measurement from Los Angeles County Flood Control District.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
	1933			1933	
C-885c-L-11	Jan. 6	5.9	C-891-L-13 cont.	July 21 b	37.9
	Feb. 15	4.4		Aug. 11 b	37.9
	Mar. 8	6.3		Sep. 1 b	35.2
	Mar. 29	5.4		Oct. 31 b	26.5
	May 13	8.7		Dec. 20 a	19.6
	June 24	13.6	C-894-L-13	Jan. 6	21.6
	Aug. 24	17.2		Feb. 9	18.3
	Sep. 14	15.4		Mar. 31	22.6
	Oct. 5	14.3		May 11	26.8
	Nov. 16	12.7		June 22	35.7
	Dec. 7	10.4		Aug. 25	39.4
	Dec. 29	8.6		Sep. 14	35.8
	1934			Oct. 6	36.9
	Jan. 18	6.7		Nov. 16	31.7
				Dec. 28	26.2
	1933			1934	
C-885e-L-11	Jan. 6	7.5		Jan. 16	21.3
	Feb. 15	6.1			
	Mar. 29	8.5		1933	
	May 13	12.5	C-895-L-14	Mar. 1 b	18.3
	Aug. 24	21.9		Mar. 17 b	17.4
	Oct. 5	17.5		Apr. 24 b	43.2
	Nov. 16	15.0		Aug. 11 b	35.6
	Dec. 7	12.7		Nov. 2 b	30.5
	Dec. 29	8.9		Dec. 29 a	30.5
	1934		C-896-L-13	Jan. 6	12.0
	Jan. 18	7.4		Feb. 9	9.0
				Mar. 31	12.1
	1933			May 11	20.0
C-836a-L-11	Nov. 28 a	21.8		June 22	30.1
				Aug. 25	33.7
C-837-L-12	Apr. 25 a	19.1		Sep. 15	31.0
	Dec. 6 a	17.1		Oct. 6	29.4
C-891-L-13	Jan. 27 b	13.6		Nov. 16	23.8
	Feb. 27 b	15.7		Dec. 28	16.3
	Mar. 17 b	11.3		1934	
	Apr. 24 bc	28.2		Jan. 16	12.7

a Measurement from Los Angeles County Flood Control District.

b Measurement from Orange County Flood Control District.

c Shut down companion well 5 minutes.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
			<u>Feet</u>				<u>Feet</u>
	1933				1933		
C-896e-M-13	Jan. 27	ab	17.0	C-900h-M-13	Jan. 27	a	7.9
	Feb. 27	ab	16.4		Feb. 27	a	8.3
	Mar. 17	a	12.7		Mar. 17	a	2.4
	Apr. 20	a	26.0		Apr. 19	a	19.0
	July 13	a	34.6		July 17	a	30.0
	Aug. 10	a	37.2		Aug. 8	a	31.0
	Aug. 29	ab	39.2		Aug. 29	a	29.6
	Oct. 30	a	29.2		Oct. 27	a	24.1
Dec. 26	a	22.1	Dec. 26	a	14.1		
C-897k-M-13	Jan. 27	a	7.1	C-901g-M-12	Apr. 25	c	22.3
	Feb. 27	a	7.7		Dec. 6	c	17.3
	Mar. 17	a	3.9	C-902a-L-11	Jan. 6		9.5
	Apr. 20	a	20.1		Feb. 5		8.4
	July 17	a	30.3		Mar. 29		7.5
	Aug. 29	a	30.3		May 13		13.6
	Oct. 27	a	22.3		June 24		13.9
	Dec. 26	a	14.3		Aug. 3		16.4
C-899i-M-13	Apr. 30	a	21.5		Sep. 14		13.4
	July 17	a	31.0		Oct. 5		17.4
	Aug. 8	a	32.5		Nov. 16		17.4
	Aug. 29	a	30.2		Dec. 7		14.6
	Oct. 27	a	23.6		Dec. 29		13.5
	Dec. 26	a	13.6				
C-900-M-13	Jan. 5		22.9		1934		
	Feb. 1		21.0		Jan. 16		13.6
	Mar. 2		21.0		1932		
	Apr. 6		16.3	C-907f-M-11	June 20	d	15.9
	May 4		23.6		Nov. 29	c	13.1
	June 1		28.7			1933	
	July 13		34.2		Apr. 20	d	11.4
	Aug. 3		36.9	C-908b-M-12	Apr. 25	c	27.0
	Sep. 15		33.7		Dec. 6	c	30.7
	Oct. 5		31.5				
	Nov. 17		27.5				
	Dec. 26		19.0				
	1934						
	Jan. 16		15.5				

a Measurement from Orange County Flood Control District.

b Shut down 3 minutes.

c Measurement from Los Angeles County Flood Control District.

d Measurement from Pasadena Water Department.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
C-909-N-13	Jan. 6 a	3.9	C-910b-O-13	Mar. 13	+3.5
	Feb. 2	2.6	cont.	Mar. 16	+3.0
	Mar. 8	2.3		Apr. 27	2.1
	Mar. 15	+2.0		July 18	5.6
	Apr. 24	11.4		Aug. 10	6.2
	July 17	20.2		Aug. 29	6.4
	Aug. 8	21.9		Oct. 7	8.1
	Aug. 29	20.7		Oct. 14	8.1
	Nov. 2	17.1		Nov. 6	6.7
C-909c-M-12	Jan. 5 b	21.5		1932	
	Feb. 2 b	20.5			
	Feb. 16 b	19.8	C-910d-O-12	Dec. 21	36.2
	Mar. 1 b	20.4		1933	
	Apr. 6 b	30.1			
	May 3 b	27.3		Mar. 9	24.8
	June 7 b	39.6		Mar. 16	23.9
	July 5 b	41.7		Apr. 27	27.6
	Aug. 2 b	44.4		July 18	30.7
	Sep. 6 b	42.8		Aug. 10	32.0
	Oct. 4 b	38.6		Aug. 29	33.4
	Nov. 1 b	36.5		Nov. 6	39.1
	Dec. 6 b	33.7			
	1934		C-910j-O-12	Feb. 2	10.7
	Jan. 3 b	26.1		Mar. 9	10.7
	Jan. 24 b	24.8		Mar. 13	8.0
	1932			Apr. 27	12.1
*C-910b-O-13	July 15	3.5		July 18	14.8
	Aug. 8	4.3		Aug. 12	15.6
	Sep. 13	5.7		Sep. 2	16.2
	Oct. 25	8.1		Oct. 14	18.0
	Nov. 19	5.9		Nov. 18	24.3
	Dec. 16	3.0		Dec. 9	15.3
	Dec. 23	2.5		Dec. 30	13.0
	1933		C-910n-O-12	Feb. 2	3.8
	Feb. 2	0.0		Mar. 9	10.1
	Mar. 7	+0.2		Mar. 16	0.3
	Mar. 12	+3.3		Apr. 27	5.4
				July 18	5.7
				Aug. 10	6.2
				Aug. 31	6.4
				Nov. 6	8.8

* Ref. Pt. (b) in Bulletin No. 39 used. Elev. 8.1.

a Measurement from Los Angeles County Flood Control District.

b Measurement from San Gabriel Valley Protective Association.

Measurements from Orange County Flood Control District except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface		
			<u>Feet</u>				<u>Feet</u>	
	1933				1933			
C-911-O-13	Feb. 2		2.6	C-912c-O-13	Nov. 17	a	15.0	
	Mar. 2		2.0		cont.	Dec. 5	a	15.7
	Mar. 15		*1.2		Dec. 25	a	11.7	
	Apr. 14		4.2		1934			
	July 18		9.3		Jan. 16	a	9.3	
	Aug. 10		10.1		1932			
	Aug. 29		10.3					
	Sep. 15	a	11.0					
	Oct. 6	a	10.9					
	Nov. 6		9.7					
	Dec. 28	a	6.1	C-912e-O-13	Feb. 22	a	1.2	
	1934				1933			
	Jan. 16	a	3.6		Mar. 10		2.3	
	1932				Mar. 16		+0.2	
*C-912b-O-13	Dec. 21		15.9		July 19		7.3	
	1933				Aug. 7		6.2	
	Mar. 10		15.8		Sep. 7		10.9	
	Mar. 15		11.7		Oct. 25		13.0	
	July 14		25.2		Dec. 23		9.5	
	Aug. 5		26.6		1932			
	Sep. 2		27.2	C-912h-N-13	Dec. 22		11.1	
	Oct. 7		27.6		1933			
	Oct. 24		23.1		Mar. 6		9.0	
	Nov. 4		24.0		Mar. 15		4.6	
	Dec. 2		24.8		Apr. 24		17.6	
	Dec. 30		13.1		July 17		24.4	
	1934				Aug. 3		25.4	
	Jan. 13		13.0		Aug. 29		24.6	
	1933				Nov. 6		20.6	

* Elevation of reference point is 33.2

** Ref. pt. is hole in pump base, 1 foot above ground, in pump house.
Elev. 36.9

a Measurement from San Gabriel Valley Protective Association.

b Measurement from Los Angeles County Flood Control District.

Measurements from Orange County Flood Control District except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
1933			1934		
*C-935c-N-11	May 3	15.7	C-942a-K-14	Jan. 16	67.9
	June 7	13.3	cont.		
	July 5	17.6		1933	
	Aug. 2	19.4			
	Sep. 6	13.7	C-943f-L-14	Jan. 27	a 35.1
	Oct. 4	13.7		Mar. 1	a 33.6
	Nov. 1	13.3		Mar. 20	a 32.6
	Dec. 6	17.3		Apr. 20	b 34.4
	Dec. 27	16.2		Dec. 8	bc
1934			1932		
	Jan. 3	15.8	C-946n-L-14	Nov. 4	a 40.6
	Jan. 24	14.2			
1933			1933		
C-940b-N-12	July 13	19.6		Mar. 1	a 33.6
	Aug. 25	21.5		Mar. 18	a 31.7
	Sep. 15	20.9		July 21	a 41.4
	Oct. 5	20.7		Aug. 11	a 41.6
	Nov. 17	18.7		Sep. 1	a 44.1
	Dec. 8	15.9		Nov. 2	a 43.4
	Dec. 29	13.8	C-949-M-14	Jan. 27	a 16.2
1934				Feb. 27	ad 18.7
	Jan. 18	11.0		Mar. 17	a 14.2
1933				July 11	a 19.3
C-942a-K-14	Jan. 6	66.4		Aug. 3	a 21.2
	Feb. 9	65.1		Sep. 5	a 20.4
	Mar. 31	64.8		Oct. 26	a 20.2
	May 1	66.6		Dec. 21	a 18.4
	Aug. 24	72.0	C-949c-M-14	Jan. 27	a 22.5
	Sep. 14	72.4		Feb. 27	a 24.1
	Oct. 6	71.7		Mar. 16	a 21.1
	Nov. 16	70.9		July 11	ae 32.4
	Dec. 28	69.0		Aug. 1	ae 33.4
				Sep. 5	a 28.6
				Oct. 26	a 28.4
				Dec. 21	a 25.1

* Beginning Feb. 17, 1932, ref. pt. is top of 1" x 6" boards on top of platform, 0.07 foot above old ref. pt. Elev. 26.1

a Measurement from Orange County Flood Control District.

b Measurement from Pasadena Water Department.

c Casing collapsed on pump at 42 feet. Dry at 42 feet.

d Pumping.

e Windmill pumping.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		Feet			Feet
C-950a-M-14	1933		C-950p-L-14	1933	
	Feb. 3	42.7		Jan. 27 ac	26.7
	Mar. 30	52.5		Mar. 1 ac	26.7
	May 13	59.6		Mar. 17 ac	25.4
	Aug. 25	70.9		Apr. 21 a	36.9
	Sep. 15	68.6		July 18 a	45.0
	Oct. 6	67.8		Aug. 10 a	47.2
	Oct. 27	62.0		Aug. 31 a	46.3
	Nov. 16	61.7		Dec. 28 a	32.8
	Dec. 3	58.0			
	Dec. 28	50.7	C-957-H-11	Jan. 31 d	84.0
	1934			Feb. 23 d	85.0
	Jan. 16	48.8		Mar. 31 d	85.0
	1933			Apr. 30 d	85.0
C-950d-M-13	Aug. 8 a	25.0		May 31 d	86.0
	Aug. 29 a	24.4		June 30 d	86.0
	Oct. 26 a	22.3		Aug. 1 d	86.5
	Dec. 26 a	15.7		Aug. 31 d	88.0
*C-950e-M-13	Apr. 19 a	23.4		Sep. 30 d	86.5
	July 17 a	34.2		Oct. 31 d	86.8
	Aug. 8 a	35.8	C-958-I-11	Nov. 30 d	87.0
	Aug. 29 a	36.1		Dec. 31 d	87.3
	Oct. 27 a	33.4		Jan. 31 d	138.0
	Dec. 26 a	28.0		Feb. 28 d	137.5
C-950n-M-14	Jan. 27 a	38.2		Mar. 31 d	138.0
	Feb. 27 a	37.6		Apr. 30 d	139.1
	Mar. 13 a	35.4		May 31 d	139.1
	Mar. 17 a	38.1		June 30 d	139.1
	Apr. 14 a	55.9		Aug. 1 d	142.0
	July 11 ab	65.1		Aug. 31 d	141.4
	Aug. 3 a	66.6		Sep. 30 d	141.3
	Sep. 5 a	61.8		Oct. 31 d	142.0
	Oct. 26 a	58.2		Nov. 30 d	142.8
	Dec. 21 a	46.2		Dec. 31 d	142.0

* Ref. pt. is top of $\frac{1}{2}$ inch stud bolt hole in discharge flange, 1.04 feet above I beams. Elev. 49.2.

a Measurement from Orange County Flood Control District.

b Pumping 300 feet east.

c Ref. pt. is top of blocks, 0.1 foot higher than casing. Elev. 63.2.

d Measurement from California Water Service Company.

Measurements from San Gabriel Valley Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
	1933			1933	
C-960-I-11	Jan. 31	113.0	C-964c-I-11	Jan. 31	140.0
	Mar. 31	114.0		Mar. 31	139.0
	May 31	116.5		May 31	142.5
	Aug. 1	119.0		Aug. 1	144.5
	Aug. 31	120.0		Aug. 31	146.8
	Oct. 31	117.0		Oct. 31	146.0
	Dec. 31	116.0		Dec. 31	144.2
C-961-I-11	Jan. 31	114.0	C-965-I-11	Jan. 31	70.5
	Mar. 31	115.0		Mar. 31	74.0
	May 31	116.5		May 31	77.0
	Aug. 1	119.0		Aug. 31	79.8
	Aug. 31	120.0		Oct. 31	78.3
	Oct. 31	120.0		Dec. 31	76.0
	Dec. 31	119.0			
C-962-I-11	Jan. 31	114.0	C-966-I-11	Jan. 31	68.0
	Feb. 28	113.5		Mar. 31	70.0
	Mar. 31	116.0		May 31	75.0
	May 31	120.0		Aug. 31	80.0
	Aug. 1	123.0		Oct. 31	76.0
	Oct. 31	123.0		Nov. 30	75.0
	Nov. 30	122.5	C-966a-I-11	Dec. 31	72.0
	Dec. 31	119.5		Apr. 18	a 49.2
C-962c-I-11	Jan. 31	98.0		Nov. 21	a 51.7
	Mar. 31	99.0	C-968-K-15	Jan. 16	b 61.3
	May 31	100.0		Mar. 28	b 61.8
	Aug. 1	98.0		May 26	b 60.4
	Aug. 31	100.0		July 28	b 59.3
	Oct. 31	101.5		Sep. 19	b 59.0
	Nov. 30	100.8			
	Dec. 31	101.0		1932	
C-963-I-11	Jan. 31	140.2	C-969-K-16	Sep. 1	b 100.0
	Feb. 28	138.0		Sep. 24	b 105.0
	Mar. 31	134.0		Oct. 18	b 100.5
	May 31	134.0			
	Aug. 1	136.0		1933	
	Aug. 31	135.3		Mar. 28	b 78.9
	Oct. 31	136.8		May 26	b 95.9
	Nov. 30	138.0		July 28	b 87.6
	Dec. 31	137.5			

a Measurement from Los Angeles County Flood Control District.

b Measurement from Orange County Flood Control District.

Measurements from California Water Service Company except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
			<u>Feet</u>				<u>Feet</u>
	1932				1933		
C-973b-L-16	Nov. 9		90.9	**C-975a-L-15	Jan. 10		98.6
					Feb. 23		97.2
	1933				Mar. 20		97.4
	Mar. 22		91.8		Apr. 14		100.7
*C-974g-L-16	Mar. 22		133.6		May 29		103.0
					July 10		104.5
	1932				July 31		106.3
					Sep. 11		109.0
					Oct. 19		106.4
					Dec. 18		104.4
C-974m-L-16	Apr. 1	a	148.0				
	May 1	a	150.0	C-975b-L-15	Jan. 10		65.2
	June 1	a	151.0		Feb. 23		65.3
	July 1	a	152.0		Mar. 21		65.3
	Aug. 1	a	155.0		May 29		65.4
	Sep. 1	a	158.0		July 10		65.8
	Oct. 1	a	158.0		July 31		65.8
	Nov. 1	a	157.0		Sep. 11		65.6
	Dec. 1	a	157.0		Oct. 19		66.5
					Dec. 18		65.9
	1933				1932		
	Jan. 1	a	157.0				
	Feb. 1	a	157.0	C-975L-L-15	Nov. 7		96.9
	Mar. 1	a	150.0		Dec. 15		94.4
	Apr. 1	a	150.0				
	May 1	a	153.0		1933		
C-974n-M-16	Jan. 16		164.4		Mar. 20		92.7
	Feb. 15		163.0				
	Mar. 1		162.1	C-975n-L-16	Jan. 10		132.4
	Apr. 1		162.3		Feb. 23		132.2
	May 15		163.2		Mar. 21		131.7
	June 1		164.8		May 29		132.0
	July 1	b	170.0		July 29		133.4
	Aug. 2	c	175.3		Aug. 19		133.7
	Sep. 1	c	177.3		Sep. 11		134.4
	Nov. 1	d	173.6		Oct. 19		135.2
	Dec. 1	d	173.7		Dec. 18		136.1
	Dec. 20	d	172.4				

* Elevation of reference point, 218.5

** Ref. pt. (c) in Bulletin No. 39 used. Elev. 133.4.

a Measurement by owner and obtained from Orange County Flood Control District.

c Crowther No. 3 pumping.

c Crowther No. 6 pumping 30 feet west.

d All wells in tract shut down.

Measurements from Orange County Flood Control District except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
	1933			1933	
C-978-M-16	Jan. 9	144.0	C-981m-M-14	Jan. 27	31.2
	Feb. 14	142.3		Mar. 2	30.4
	Mar. 24	143.5		Mar. 20	29.2
	May 25	147.7		Apr. 21	33.6
	Sep. 14	154.8		July 18	37.4
	Dec. 11	152.1		Aug. 10	38.5
C-978a-M-16	Sep. 2	135.1		Aug. 31	38.5
	Oct. 14	139.2		Oct. 30	37.7
	Nov. 4	136.1		Dec. 28	34.9
	Dec. 14	130.2	C-982a-M-14	Feb. 2	a 32.4
	Dec. 30	127.7		Mar. 31	a 34.3
				May 12	a 35.7
	1934			1932	
	Jan. 13	126.6	C-982L-M-14	Feb. 19	41.1
	1933			Mar. 1	40.7
*C-979b-M-15	June 1	102.3		Apr. 4	42.0
	July 11	105.0		May 4	43.9
	Aug. 1	107.1		June 16	45.8
	Sep. 11	106.4		July 12	48.8
	Oct. 20	107.4		Aug. 5	48.4
	Dec. 21	101.4		Sep. 8	47.9
C-979c-M-15	Mar. 23	100.5		Oct. 21	48.6
	June 1	104.1		Dec. 22	45.1
	July 11	105.0		1933	
	Aug. 1	107.4		Jan. 27	43.3
	Sep. 11	108.0		Feb. 27	42.8
	Oct. 20	108.9		Mar. 17	43.8
	Dec. 13	108.1		July 13	47.4
	Dec. 21	107.6		Aug. 1	50.1
	1932			Sep. 5	50.8
C-979h-M-15	Nov. 16	ab 104.8		Oct. 26	49.8
				Dec. 21	46.3
	1933				
	Mar. 21	a 98.2			

* Beginning June 1, 1933, ref. pt. is top of wooden base, 0.38 foot above concrete floor, 0.5 foot above ground. Elev. 125.5

a Measurement from San Gabriel Valley Protective Association.

b Pumping intermittently.

Measurements from Orange County Flood Control District except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface		
		Feet	Feet			Feet	Feet	
	1933				1933			
*C-983-M-14	Jan. 27	45.1		C-984b-N-14 cont.	June 21	46.6		
	Feb. 27	44.7			July 26	48.6		
	Mar. 13	44.7			Aug. 23	48.4		
	Mar. 17	44.9			Sep. 13	46.0		
	July 11	44.8			Oct. 4	47.0		
	Aug. 1	49.7			Nov. 1	42.6		
	Sep. 5	50.0			Dec. 6	42.2		
	Oct. 26	50.3			Dec. 27	37.8		
	Dec. 21	48.0						
						1934		
C-983a-M-14	Aug. 1	74.3			Jan. 10	36.3		
	Sep. 5	69.7			Feb. 7	36.0		
	Oct. 26	68.8						
	Dec. 21	63.3						
				1933				
C-983e-M-15	June 1	92.0		C-985-N-14	Mar. 10	33.6		
	July 11	95.9			Mar. 15	27.3		
	Dec. 13	89.2			July 25	41.1		
	Dec. 21	87.3			Aug. 4	42.9		
				Sep. 5	40.0			
C-983p-M-15	Jan. 13	71.0		C-986-N-14				
	Feb. 23	70.5			Feb. 2	42.8		
	Mar. 21	70.3			Mar. 2	42.7		
	June 1	71.6			Mar. 15	42.1		
	July 11	72.3			July 10	47.1		
	Aug. 1	72.8			Aug. 4	47.5		
	Sep. 11	73.3			Sep. 5	46.8		
	Oct. 20	73.9			Oct. 24	47.1		
	Dec. 21	74.1			Dec. 22	46.2		
	1932			C-986c-N-15	July 14	82.2		
C-984b-N-14	Oct. 5	41.0			Oct. 23	84.5		
	Nov. 3	42.4			Dec. 14	80.0		
	Dec. 7	39.6						
	Dec. 21	35.8						
				**C-986e-N-15	Jan. 13	88.1		
	1933				Feb. 24	85.9		
					Mar. 13	85.5		
	Jan. 18	34.7			July 14	92.7		
	Feb. 15	33.6			Aug. 4	94.2		
	Mar. 14	29.8			Sep. 8	94.2		
	Apr. 4	37.8			Oct. 23	94.6		
	May 2	39.4			Dec. 14	92.8		

* Beginning Aug. 5, 1932, ref. pt. is top of casing, 1.3 feet above ground. Elev. 93.4.

**Beginning April 20, 1932, ref. pt. is top of casing, 0.5 foot above ground, elev. 111.0, to and including Feb. 24, 1933; then, edge of clamp, 1.2 feet above ground. Elev. 111.7.

Measurements from Orange County Flood Control District.

Well Number	Date	Dist. R.P. to water surface <u>Feet</u>	Well Number	Date	Dist. R.P. to water surface <u>Feet</u>
	1933			1933	
C-937-N-14	Feb. 2	43.	*C-992b-P-14	Feb. 4	8.4
	Mar. 10	50.3		Feb. 28	11.9
	Mar. 12	42.1		Mar. 14	10.6
	Mar. 13	42.8		Mar. 16	11.8
	Mar. 16	43.6		Apr. 15	16.8
	July 15	59.4		July 10	17.2
	Aug. 7	58.7		Aug. 1	18.9
	Sep. 7	59.0		Aug. 31	17.7
	Oct. 24	56.2		Nov. 7	16.9
	Dec. 22	48.7			
C-939j-O-14	Feb. 2	14.8		1934	
	Mar. 16	16.6	Jan. 15	11.2	
	July 15	29.8		1933	
	Aug. 7	31.4	**C-992e-P-13	Feb. 4	3.1
	Sept. 7	30.4		Feb. 28	4.3
	Oct. 25	26.9		Mar. 14	5.0
	Dec. 22	20.3		Mar. 16	5.7
C-991e-O-13	Jan. 5	a 17.6		July 10	11.7
	Mar. 2	a 15.2		Aug. 2	13.6
	Apr. 6	a 20.0		Aug. 31	13.3
	May 4	a 20.8		Nov. 7	13.0
	June 1	a 13.7		1934	
	July 6	a 15.3	Jan. 15	6.6	
	Sep. 6	a 17.8		1932	
	Oct. 4	a 20.2	***C-993-P-14	Feb. 23	11.0
	Nov. 1	a 18.3		Mar. 20	14.5
	Dec. 6	a 15.4		Mar. 30	13.0
		Aug. 16		20.5	
		Sep. 15		21.1	
		Oct. 26		19.1	
		Nov. 25		18.6	
		Dec. 20		15.5	
	1934				
Jan. 3	a	9.8			
Jan. 24	a	8.7			

* Beginning Sep. 15, 1932, ref. pt. is plug hole in head, 0.4 foot above concrete bas. Elev. 22.2.

**Beginning July 10, 1933, ref. pt. is top of 1½ inch pipe at concrete base, southeast corner, 1.0 foot above ground. Elev. 15.4 from levels by O. Co.F.C.D. from Local BM. Elevation of ref. pt. in Bulletin No. 39 should read 14.9 from levels by O.Co.F.C.D. from Local BM

***Beginning Sep. 15, 1932, ref.pt. is air line hole on north side, 0.07 foot above concrete base, and 0.6 foot above ground. Elev. 27.9.

a Measurement from San Gabriel Valley Protective Association.

Measurements from Orange County Flood Control District except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1934	
C-993-P-14 cont.	Feb. 4	13.0	C-997-P-14 cont.	Jan. 23	51.7
	Mar. 14	14.6			
	Mar. 16	16.1		1933	
	Apr. 15	21.9			
	July 12	22.6	C-997c-Q-14	Feb. 4	29.0
	Aug. 4	23.7		Feb. 28	28.1
	Sep. 5	22.8		Mar. 13	29.1
	Nov. 13	21.1		Mar. 15	29.5
				Apr. 17	30.8
	1934			July 10	29.6
	Jan. 23	15.9		Nov. 7	29.7
	1933		C-997d-Q-14	Feb. 6	45.9
C-995k-P-13	Feb. 3	8.0		Feb. 28	45.4
	Mar. 13	7.5		Mar. 13	45.5
	Apr. 15	8.3		Mar. 17	45.5
	July 10	9.1		Apr. 17	46.8
	Aug. 5	9.4		July 10	47.5
	Sep. 9	9.8		Aug. 3	48.1
	Oct. 14	10.4		Sep. 1	48.7
	Nov. 4	10.1		Nov. 7	48.9
	Dec. 2	10.0			
	Dec. 30	9.2		1934	
				Jan. 23	47.8
C-995m-P-13	Feb. 3	5.1			
	Feb. 28	3.5		1933	
	Mar. 13	6.7			
	Mar. 14	6.6	*C-998-P-14	Feb. 6	7.7
	Mar. 16	6.2		Feb. 28	7.0
				Mar. 13	9.2
C-997-P-14	Feb. 4	52.3		Apr. 17	11.8
	Feb. 28	51.9		July 10	15.8
	Mar. 13	52.2		Aug. 3	16.4
	Mar. 14	52.1		Sep. 1	10.2
	Mar. 16	52.2		Nov. 7	13.0
	Apr. 15	53.1			
	July 20	53.9		1934	
	Aug. 3	54.2			
	Sep. 1	54.9		Jan. 23	a
	Nov. 7	54.5			

* Beginning Sep. 1, 1933, ref. pt. is top of casing, 8.0 feet below ground, 9.45 feet below old concrete base, 10.75 feet below old ref. pt.
Elev. 12.5.

a Pit caved in. Unable to measure.

Measurements from Orange County Flood Control District.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	
1933			1933			
C-998d-O-15	Feb. 7	29.1	C-1059-M-17	Jan. 6	182.2	
	Feb. 25	23.9		Feb. 10	180.5	
	Mar. 12	26.4		May 24	180.5	
	Mar. 17	29.8		July 6	a 186.7	
	Apr. 28	37.0		Oct. 16	191.5	
	July 5	42.3		Dec. 11	191.8	
	Aug. 1	44.4	1932			
	Aug. 31	39.0	C-1065-M-16	Feb. 15	b 165.7	
1934	Jan. 15	31.3		Mar. 11	b 160.3	
				Sept. 29	170.3	
1933				Oct. 19	169.7	
C-999f-P-14	Feb. 28	36.5		Dec. 14	169.9	
	Mar. 13	36.8	1933			
	Mar. 16	38.2	Jan. 9	168.5		
	Apr. 17	43.4	Feb. 10	166.7		
	July 10	42.1	Mar. 27	165.9		
	Sep. 1	42.8	May 25	163.8		
1934	Jan. 23	37.7		July 6	172.4	
				July 27	174.8	
1933				Sep. 14	177.7	
C-1007a-N-13	Feb. 2	7.0	Oct. 16	178.4		
	Mar. 3	6.1	Dec. 11	177.6		
	Mar. 15	0.5	C-1068-M-17	Feb. 17	26.7	
1932				Feb. 23	26.6	
C-1056-M-16	Apr. 17	150.4		Mar. 24	28.0	
	Oct. 5	165.9		Aug. 15	28.5	
1933			C-1073-M-17	Jan. 6	182.8	
	Jan. 6	164.1		Feb. 14	180.8	
	Feb. 14	161.9		May 25	180.5	
	Mar. 30	164.4		Sep. 14	c 190.0	
	Sep. 17	173.1		Oct. 16	191.5	
				Dec. 11	c 192.1	
			*C-1078d-M-17	Jan. 5	185.1	
				Feb. 9	182.0	
				Sep. 17	191.5	
				Dec. 11	196.7	

* Beginning Nov. 21, 1932, ref. pt. is $1\frac{1}{4}$ inch pipe, 0.45 foot above pump base, 0.6 foot above floor, elev. 233.3, to and including Feb. 9, 1933; then, top of outlet hole in head, 0.68 foot above concrete floor. Elev. 233.4

a Motor warm.

b Measurement from San Gabriel Valley Protective Association.

c North well pumping.

Measurements from Orange County Flood Control District except as noted.

Well Number	Date		Dist.R.P. to water surface <u>Feet</u>	Well Number	Date		Dist.R.P. to water surface <u>Feet</u>
	1933				1933		
*C-1079a-M-17	Jan. 5		177.2	C-1087-L-17	July 6		174.2
	Feb. 9		168.8	cont.	July 27		181.2
	Mar. 24		160.7		Sep. 14		185.8
	July 27		177.8		Oct. 16		187.4
	Dec. 11		194.0		Dec. 11		188.4
C-1081j-L-18	Apr. 15	a	81.5		1932		
	July 15	b	70.3				
	Nov. 15	c	65.4	C-1089-L-16	Sep. 5 e		190.0
C-1082-L-18	Feb. 9		66.6		1933		
	Mar. 24		58.9		Feb. 28 e		183.7
	May 26		65.7		July 6 e		191.8
	July 7		73.3		July 28 e		194.1
	Sep. 18		83.1		Sep. 14 ef		198.0
	Oct. 17		86.1				
	Dec. 12		97.5		1932		
	1932			C-1094-L-17	Oct. 5		42.7
C-1085-L-17	Sep. 21		180.0		1933		
	Oct. 19		182.3				
	Oct. 29	d	183.2		Jan. 9		44.0
	Nov. 25	d	185.0		Feb. 10		43.2
	Dec. 14		189.0		Mar. 27		45.4
	1933				Sep. 22		45.1
	Jan. 5		189.1		1933		
	Feb. 10		186.6				
	Mar. 27		182.7	C-1097-L-17	Mar. 24		174.7
	May 26		183.4		May 26		175.3
	July 7		186.2		July 28		176.8
	July 28		183.7		Sep. 19		177.4
	Oct. 17		196.3		Dec. 12		181.2
	Dec. 12		197.2				
C-1087-L-17	Feb. 14		177.6	C-1105a-N-17	Feb. 18		221.1
	Mar. 24		176.1		Mar. 24		219.7
	May 25		176.4		July 24		226.7
					Aug. 15		233.6
					Sep. 12		232.0

* Beginning July 25, 1932, ref. pt. is at cap screw hole on northwest side of shaft on discharge head, 0.5 foot below center line of gage. Elev. 248.3.

a No. 7 and No. 5 pumping.

b All wells in tract pumping.

c No. 7, No. 8 and No. 3 pumping.

d Measurement from San Gabriel Valley Protective Association.

e Reference point (b) in Bulletin No. 39 used.

f Motor warm.

Measurements from Orange County Flood Control District except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
1932			1933		
*C-1107-M-17	Sep. 16	136.9	C-1121-M-16	Jan. 9	144.0
	Oct. 19	136.7	cont.	Feb. 16	143.9
	Nov. 26	136.5		Mar. 27	143.9
1933			C-1123a-N-16	Jan. 13	113.7
	Feb. 18	135.4		Feb. 24	116.3
	Mar. 24 a			Mar. 13	117.2
C-1112-N-18	Jan. 1 b	263.6		Mar. 20	117.0
	Feb. 1 b	260.5		July 14	121.5
	Mar. 1 b	259.4		Aug. 3	123.9
	Apr. 1 b	258.2		Sep. 8	123.5
	May 1 b	261.9		Oct. 23	124.0
	June 1 b	265.1		Dec. 14	124.0
	Oct. 1 b	277.6	C-1125m-N-16	Feb. 24	109.9
	Nov. 1 b	276.2		May 12 e	113.0
	Dec. 1 b	276.2		June 22 e	115.5
1934				July 29	118.8
	Jan. 1 b	270.8		Sep. 8	119.4
1933				Sep. 15 e	118.2
				Oct. 23	122.1
				Oct. 27	119.6
				Nov. 17	121.0
				Dec. 14	117.7
C-1113-N-17	Mar. 27	208.4	C-1130a-N-15	Jan. 7	81.8
	July 25	224.0		Feb. 8	81.5
	Aug. 17 c	223.9		Mar. 8 f	80.8
C-1120-N-16	May 24	123.8		Mar. 11 f	80.3
	July 24	127.1		Mar. 19 f	82.3
	Aug. 15	128.7		July 14	88.8
	Sep. 12	128.7		Aug. 3	90.2
	Nov. 17	130.0		Sep. 8	90.2
1932				Sep. 29	90.1
				Oct. 23	90.1
				Dec. 14	88.8

**C-1121-M-16 Sep. 29 d 154.2

* Beginning Sep. 16, 1932, ref. pt. is bottom of hole in casing at inner edge of 3 inch nipple, 4.4 feet above ground. Elev. 211.9

** Beginning Sep. 29, 1932, ref. pt. is cut in casing at ground. Elev. 173.5.

a Casing collapsed 128.0 feet below reference point.

b Measurement from W. W. Hoy.

c By electric sounder.

d Just shut down.

e Measurement from San Gabriel Valley Protective Association.

f Measurement by owner.

Measurements from Orange County Flood Control District except as noted.

Well Number	Date	Dist.R.P.	Well Number	Date	Dist.R.P.
		to water surface			to water surface
		<u>Feet</u>			<u>Feet</u>
	1933			1933	
C-1131-N-17	May 24	130.0	C-1168-O-15	Jan. 28	49.8
	July 24	133.7		Feb. 24	50.8
	Aug. 15	134.4		Mar. 17	50.9
	Sep. 12	135.2		July 14	64.8
	Nov. 17	136.7		Aug. 4 a	67.8
				Sep. 8	64.1
C-1150b-N-17	See page 78			Oct. 23	61.8
				Dec. 18	55.7
C-1151a-O-16	See page 79				
C-1152a-N-16	See page 79 and 80		C-1171b-O-16	See page 80	
			C-1174c-P-16	See page 81	
*C-1153b-O-15	Jan. 14	71.1	C-1180-P-17	Feb. 6	16.7
	Feb. 24	68.5		Mar. 7	21.2
	Mar. 13	68.6		May 25	30.2
	July 22	77.4		July 7	29.8
	Aug. 4	78.8		July 28	45.1
	Dec. 18	72.5		Sep. 8	33.7
C-1158a-O-15	Jan. 14	53.2	Nov. 9	36.5	
	Feb. 24	50.6			
	Mar. 20	51.5		1934	
C-1160a-O-16	Jan. 28	59.9		Jan. 9	23.2
	Feb. 24	60.1			
	Mar. 17	62.6		1933	
	July 14	72.4	C-1191-O-16	Jan. 28 b	87.0
	Aug. 4	72.3		Feb. 26 b	88.0
	Sep. 8	71.3		Mar. 23 b	92.0
	Oct. 23	70.3		Apr. 24	b102.0
	Dec. 18	65.4		May 23	b101.0
		June 24		b113.0	
		July 25		b112.0	
		Aug. 26		b112.0	
**C-1162-O-16	Jan. 28	66.7	Sep. 24	b108.0	
	Feb. 24	66.2	Oct. 26	b104.0	
	Mar. 20	67.3	Nov. 23	b103.0	
	July 14	74.2	Dec. 24 b	99.0	
	Aug. 4	74.6			
	Sep. 8	74.8		1934	
	Oct. 23	75.0		Jan. 23 b	98.0
	Dec. 18	71.1			

* Beginning Jan. 14, 1933, ref. pt. is top of casing 1.0 foot above ground.
Elev. 91.9.

**Reference point (a) in Bulletin No. 39 used.

a Shut down 5 minutes.

b Measurement from Santa Ana Water Department.

Measurements from Orange County Flood Control District except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
*C-1193a-O-17	Mar. 27	134.0	C-1203-P-15	Feb. 4	25.8
	May 25	137.1		Mar. 2	28.3
	July 25	144.6		Mar. 14 a	14.1
	Aug. 17	145.3		Mar. 17 a	14.2
	Nov. 17	144.6			
			****C-1204-P-15	Feb. 4	35.9
C-1194-O-18	Mar. 27	144.6		Mar. 2	38.4
	May 25	147.6		Mar. 14	37.0
	July 25	152.2		Mar. 17	40.7
	Nov. 17	157.6		July 5	57.1
				Sep. 5	50.5
**C-1197-O-17	Mar. 27	107.0			
	May 26	109.5	C-1205d-P-16	See page 82	
	July 7	111.9	C-1206b-P-17	See page 83	
	July 28	113.1			
	Sep. 5	113.6	C-1207-O-18	Feb. 7	50.3
	Nov. 9	114.0		Mar. 16	49.2
				May 26	57.5
	1934			July 6	74.0
	Jan. 8	113.9		July 27	79.0
				Sep. 11	62.6
	1933			Nov. 14	66.2
***C-1198-O-17	July 25	131.0		1934	
				Jan. 5	55.0
C-1201-P-15	Mar. 2	25.5			
	Mar. 14	23.9		1933	
	Mar. 17	26.5			
	Aug. 4	40.6			
	1934		C-1209-P-18	Feb. 7	32.3
				Mar. 16	31.0
	Jan. 23	27.7			

*Beginning Mar. 27, 1933, ref. pt. is top of casing, 1.0 foot above ground. Elev. 171.8.

**Beginning July 22, 1932, ref. pt. is top of screw on discharge shaft, 1.4 feet above ground. Elev. 150.4.

***Beginning Dec. 2, 1932, ref. pt. is cap screw hole in head, 0.3 foot below ground. Elev. 148.2.

****Beginning Apr. 2, 1932, ref. pt. is cap on screw hole, 1.6 feet above ground. Elev. 60.9.

a Sounds like water running into well.

Measurements from Orange County Flood Control District.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
*C-1211a-P-18	Feb. 7	63.8	C-1220a-Q-18	Feb. 7	89.3
	Mar. 16	a 60.9		Mar. 16	88.1
	Apr. 21	b 82.5		Apr. 22	89.1
	May 26	109.8		July 6	92.4
	July 6	c 130.7		July 28	94.0
	July 27	103.8		Sep. 11	94.5
	Sep. 11	108.9		Nov. 14	93.1
	Nov. 14	94.1			
	1934			1934	
	Jan. 5	72.6		Jan. 8	91.1
	1933			1933	
C-1212-P-19	Feb. 7	136.5	C-1222-Q-18	Feb. 7	59.5
	Mar. 16	135.6		Mar. 16	59.1
	Apr. 4	135.9		Apr. 21	59.2
	Apr. 21	134.3		May 26	60.3
	May 26	c 140.0		July 6	61.4
	July 6	c 138.5		July 27	61.6
	July 27	c 138.9		Sep. 11	62.0
	Sep. 11	139.1		Nov. 14	62.7
	Nov. 14	138.9			
	1934			1934	
	Jan. 5	138.9		Jan. 5	62.4
	1933			1933	
C-1217a-Q-19	Feb. 7	235.9	C-1224-Q-18	Feb. 7	47.4
	Apr. 22	240.0		Sep. 11	d 75.0
	May 26	d 248.0		Nov. 14	54.0
	July 6	255.5	C-1225-Q-18	Feb. 7	8.0
	July 28	265.3		Mar. 16	9.9
	Sep. 11	249.1		Apr. 21	11.1
				May 26	12.5
	1934			July 6	13.6
	Jan. 8	239.7		July 27	13.7
				Sep. 11	14.5
				Nov. 14	15.5

* Beginning Apr. 21, 1933, ref. pt. is top of casing, 0.4 foot above ground.
Elev. 105.9.

a Shut down 10 minutes.

b Pumping slowly.

c Pumping 100 feet away.

d Down 5 minutes.

Measurements from Orange County Flood Control District.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1934			1933	
C-1225-Q-16 cont.	Jan. 8	13.0	C-1231b-P-17	Feb. 6	16.9
				Mar. 7	18.5
				Mar. 15	16.9
	1933			July 6	31.0
C-1226-Q-17	Feb. 7	19.1		Sep. 5	36.4
	Mar. 16	17.2	C-1232-P-17	Feb. 6	a 31.3
	Apr. 21	19.6		Mar. 7	30.8
	May 26	20.6		Mar. 15	30.2
	July 27	23.1		May 25	b 36.5
	Sep. 11	24.8		July 6	b 37.8
				July 28	b 38.6
	1934			Sep. 5	37.3
	Jan. 5	23.4		Nov. 9	36.2
	1933			1934	
*C-1230-P-17	Feb. 6	20.2		Jan. 8	a 35.2
	Mar. 7	21.7		1933	
	Sep. 5	32.6			
	Nov. 9	28.0	C-1234-P-17	Feb. 6	35.7
	1934			Mar. 7	36.8
	Jan. 8	23.3		July 28	76.8
				Sep. 5	50.3
				Nov. 9	c 52.5
	1933		C-1237L-P-17	See page 84	
C-1231a-P-17	Feb. 6	27.9	C-1243-Q-16	Feb. 6	18.1
	Mar. 7	27.3		Mar. 7	18.8
	Mar. 15	26.4		Apr. 20	21.4
	Apr. 18	54.4		May 25	20.3
	May 25	42.7		July 7	20.7
	July 6	45.6		July 31	22.1
	July 28	67.3		Sep. 8	21.7
	Sep. 5	59.0		Nov. 9	21.3
	Nov. 9	38.2		1934	
	1934			Jan. 9	19.8
	Jan. 8	33.7			

* Beginning Apr. 22, 1932, ref. pt. is top of casing, south side at cut 0.5 foot above ground. Elev. 54.2. Apply in Bulletin No. 39-A also.

a Pumping slowly.

b Pumping 20 feet south.

c Pumping 100 feet west.

Measurements from Orange County Flood Control District.

Well Number	Date	Feet	Dist.R.P. to water surface	Well Number	Date	Feet	Dist.R.P. to water surface
	1933				1933		
C-1244-Q-16	Feb. 6	30.2		C-1249-Q-16	July 7	33.6	
	Mar. 7	37.7		cont.	Sep. 8	37.5	
	May 25	47.5			Nov. 13	34.8	
	July 7	48.0			1934		
	Aug. 5	57.7			Jan. 9	29.4	
	Aug. 26	58.5			1933		
	Sep. 16	45.2					
	Oct. 14	42.2					
	Nov. 18	41.0					
	Dec. 23	37.1					
	1934						
	Jan. 6	34.2					
	Jan. 20	32.6					
	1933						
C-1248-Q-16	Feb. 6	31.7					
	Mar. 15	32.4					
	Apr. 20	34.8					
	July 20	34.7					
	Aug. 5	34.8					
	Sep. 2	35.0					
	Oct. 6	35.2					
	Nov. 10	35.2					
	Dec. 9	35.1					
	1934						
	Jan. 6	34.4					
	Jan. 20	33.9					
	1933						
C-1249-Q-16	Feb. 6	23.5					
	Mar. 12	30.1					
	Mar. 15	31.8					
	Apr. 20	39.9					
	May 25	34.9					

*Beginning Mar. 30, 1932, ref. pt. is at top of casing, between 10" x 10" blocks, at ground. Elev. 37.6.

**Beginning July 21, 1932, ref.pt. is cap screw hole in pump head, 0.4 foot below old ref. pt. Elev. 28.0

Measurements from Orange County Flood Control District.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
C-1257-Q-15	Feb. 4	1.6	*C-1260-Q-14	Aug. 3	8.3
	Mar. 2	6.0	cont.	Sep. 1	8.5
	Mar. 13	5.3		Nov. 7	5.7
	Mar. 14	8.4			
	Mar. 17	8.3		1934	
	Apr. 17	11.0		Jan. 23	1.4
	July 11	10.0			
	Aug. 3	11.3		1933	
	Sep. 5	10.1			
	Nov. 8	8.5			
	1934		C-1261-Q-14	Feb. 2	3.9
				Feb. 28	4.3
	Jan. 23	4.0		Mar. 12	3.4
				Mar. 14	4.1
				Mar. 16	4.1
	1933			July 11	6.3
C-1258-Q-15	Feb. 4	Flowing		Aug. 3	6.8
	Mar. 2	1.4		Sep. 1	6.8
	Mar. 13	3.2		Nov. 7	5.4
	Mar. 14	4.8			
	Mar. 17	5.4		1934	
	July 11	7.8		Jan. 23	3.9
	Aug. 3	9.5			
	Sep. 5	8.5		1933	
	Nov. 13	6.0			
	1934		C-1262-Q-14	Feb. 3	0.6
				Mar. 2	2.5
	Jan. 23	1.5		Mar. 11	Flowing
				Mar. 12	1.6
	1933			Mar. 14	2.7
				Mar. 16	a 2.8
*C-1260-Q-14	Feb. 8	Flowing		Apr. 17	6.6
	Feb. 28	3.2		July 11	6.8
	Mar. 14	4.3		Aug. 3	8.6
	Mar. 16	4.1		Nov. 8	5.6
	Apr. 17	8.1			
	July 11	6.8		1934	
				Jan. 23	1.1

* Beginning Feb. 28, 1933, ref. pt. is top of casing, 0.6 foot above ground.
Elev. 6.8.

a Laguna Beach Plant pumping.

Measurements from Orange County Flood Control District.

Well Number	Date	Dist. R.P. to water surface <u>Feet</u>
1933		
C-1262b-Q-15	Feb. 4	1.3
	Mar. 2	4.6
	Mar. 14	5.4
	Mar. 17	a 7.7
	Apr. 17	10.0
	July 11	10.3
	Aug. 3	11.0
	Sep. 5	11.1
	Nov. 8	8.2
1932		
*C-1263a-Q-14	Apr. 14	4.1
	May 19	3.7
	June 15	9.5
	July 13	9.9
	Aug. 17	9.5
	Sep. 14	8.4
	Sep. 28	8.8
	Nov. 3	6.2
	Nov. 30	5.0
	Dec. 28	3.4
1933		
	Jan. 11	3.9
	Jan. 25	2.4
	Mar. 14	4.0
	Apr. 4	8.6
	May 2	5.0
	June 7	5.5
	July 5	8.1
	Aug. 9	7.4
	Sep. 13	7.5
	Oct. 4	6.5
	Nov. 1	5.7
	Dec. 6	4.6
	Dec. 27	3.5
1934		
	Jan. 10	3.1
	Jan. 24	3.0

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933	
C-1264-Q-14	Feb. 3	3.3
	Mar. 2	3.8
	Mar. 14	3.8
	Mar. 16	3.6
	Apr. 17	6.9
	July 11	7.6
	Aug. 3	9.3
	Sep. 1	9.4
	Nov. 8	6.8
	1934	
	Jan. 23	3.1
	1933	
C-1265-Q-15	Feb. 3	3.6
	Mar. 2	4.5
	Mar. 14	4.9
	Mar. 17	4.4
C-1269-Q-15	Feb. 3	6.9
	Mar. 2	6.5
	Mar. 14	6.2
	Apr. 17	7.6
	July 11	8.8
	Aug. 5	9.5
	Sep. 9	10.0
	Oct. 14	9.4
	Nov. 4	8.8
	Dec. 2	8.6
	Dec. 30	8.1
	1934	
	Jan. 6	7.0
	Jan. 20	7.0

* Beginning June 15, 1932, ref. pt. is top of flooring, 2.7 feet above top of casing. Elev. 6.8.

a Pumping slowly.

b Laguna Beach Plant pumping.

Measurements from Orange County Flood Control District.

C-294a-G-15, LOS ANGELES COUNTY, ET AL. MAP 6.

Log available.

Location and description--400 feet west of Main Street, 375 feet north of Los Angeles Street, 200 feet east and 400 feet north of C-294-G-15, Baldwin Park.

Reference point--Top of casing, 0.7 foot above ground.

Elevation of reference point--387.8, from levels by P.W.D.

Use--Test well.

Depth of well--200 feet.

Diameter of casing--16 inches.

Other numbers used--L.A.Co. F.C.D. No. 3030F.

Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>
1933		1933		1933	
Jan. 3	120.3	May 30	117.3	Dec. 11	126.0
Jan. 31	119.7	July 4	119.5	Dec. 23	127.5
Feb. 28	118.4	July 31	121.6		
Mar. 28	117.5	Aug. 28	124.4	1934	
Apr. 25	117.0	Sep. 18	125.5		
May 16	116.8	Oct. 16	126.6	Jan. 6	126.8
		Nov. 13	127.2	Jan. 29	123.8

Measurements from San Gabriel Valley Protective Association.

C-581c-G-18, SAN DIMAS WATER CO. MAP 6.

Log available.

Location and description--560 feet south of Pacific Electric Ry., 460 feet west of South "D" Street, south of La Verne.

Reference point--Air gauge, 1 foot above ground.

Elevation of reference point--1025, from U.S.G.S. topog. by L.A.Co.F.C.D.

Use--Irrigation.

Depth of well--742 feet.

Diameter of casing--18 inches.

Other numbers used--L.A.Co.F.C.D. No. 3220A.

Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>
1933		1933		1934	
Jan. 3	304.0	Apr. 11	300.0	Jan. 6	338.2
Feb. 3	296.5	Dec. 18 a	353.9		
Mar. 3	291.0				

a Measurement from Los Angeles County Flood Control District.

Measurements from La Verne Protective Association except as noted.

Note: Measurements published in Bulletin 39-A for April 16, Sep. 29 and Dec. 4 of 1932, are pumping measurements.

C-11505-N-17, SANTA ANA VALLEY IRRIGATION COMPANY, No. 12. MAP 4.

Location and description--0.28 mile north of Fairhaven Avenue, 150 feet east of Cambridge Street, Orange.

Reference point--Air gage 0.8 foot above ground.

Elevation of reference point--206.3 from levels by State Div. E. and I.

Use--Irrigation.

Depth of well--800 feet.

Diameter of casing--26 inches.

Other numbers used--State Div. E. and I. No. 275, Corona Quad.; Location No. 14552B.

Date	Dist. R. P. to water surface <u>Feet</u>	Date	Dist. R. P. to water surface <u>Feet</u>	Date	Dist. R. P. to water surface <u>Feet</u>
1928		1930		1932	
Jan. 1	144.6	Apr. 1	164.2	June 1	179.6
Feb. 1	142.8	May 1	164.0	July 1	195.0
Mar. 1	140.3	June 1	160.0	Aug. 1	203.0
Apr. 1	139.8	Sep. 1	193.4	Sep. 1	187.8
June 1	146.7	Oct. 1	183.0	Oct. 1	186.5
Oct. 1	162.3	Nov. 1	197.8	Dec. 1	186.8
Nov. 1	157.5	Dec. 1	178.3		
Dec. 1	155.0			1933	
		1931		Jan. 1	181.0
1929		Jan. 1	176.4	Feb. 1	179.0
Jan. 1	152.3	Feb. 1	171.4	Mar. 1	177.0
Feb. 1	150.3	May 1	168.8	Apr. 1	176.2
Mar. 1	159.6	June 1	180.2	May 1	181.7
Apr. 1	151.4	Sep. 1	203.7	June 1	185.5
May 1	152.4	Oct. 1	193.0	Sep. 1	207.7
June 1	160.0	Nov. 1	202.0	Oct. 1	192.2
Oct. 1	173.3	Dec. 1	186.6	Nov. 1	190.5
Nov. 1	187.3			Dec. 1	190.0
Dec. 1	173.4	1932		1934	
1930		Jan. 1	182.2	Jan. 1	187.8
Jan. 1	171.2	Feb. 1	178.7		
Feb. 1	166.6	Mar. 1	175.6		
Mar. 1	165.3	Apr. 1	174.0		
		May 1	177.2		

Measurements from W. W. Hoy.

C-1151a-O-16, CITY OF SANTA ANA, NO. 14. MAP 4.

Log available.

Location and description--0.6 mile north of 17th Street, 100 feet east of Bristol Street, 100 feet south of Santiago Creek, Santa Ana.

Reference point--Collar at ground surface.

Elevation of reference point--120, from U.S.G.S. topog. by D.W.R.

Use--Domestic.

Depth of well--1050 feet.

Diameter of casing--20 inches.

Other numbers used--Location No. 14513.

Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>
1932		1933		1933	
Jan. 21	101.	Apr. 24	100.	Nov. 24	102.
		May 23	99.	Dec. 26	102.
1933		June 22	101.		
		July 23	105.	1934	
Jan. 27	100.	Aug. 26	106.		
Feb. 26	95.	Sep. 24	104.	Jan. 23	99.
Mar. 28	98.	Oct. 25	103.		

Measurements from Santa Ana Water Department.

C-1152a-N-16, F. H. CRAGER, MAP 4.

Location and description--0.14 mile east of Berrydale Avenue, 100 feet north of Ocean Avenue, north of Santa Ana.

Reference point--Top of casing, 0.4 foot above ground.

Elevation of reference point--113.2, from levels by O.Co. F.C.D. from local B.M.

Use--Domestic.

Depth of well--98 feet.

Diameter of casing--7 inches.

Other numbers used--O. Co. F.C.D. No. 3P-57; Location No. 14492A.

Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>
1930		1931		1931	
May 16	70.3	Jan. 21	75.0	Aug. 15	83.8
June 20	72.0	Feb. 20	74.0	Sep. 16	85.5
July 7	73.2	Mar. 16	75.5	Oct. 14	86.2
Sep. 10	77.7	Apr. 6	78.0	Nov. 10	83.7
Oct. 6	77.5	May 20	78.1		
Nov. 17	77.5	June 5	78.8		
Dec. 24	76.5	July 11	82.3		

C-1152a-N-16, F. H. CRAGER. MAP 4 (Cont.)

Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>
1932		1932		1933	
Jan. 18 a	80.6	July 19 a	85.7	Jan. 28	84.2
Feb. 23	79.2	Aug. 15	86.2	Feb. 24	83.0
Mar. 16	79.0	Sep. 16	86.3	Mar. 13	83.2
Apr. 15	81.5	Oct. 21	86.3	Mar. 17	83.1
May 17	82.4	Nov. 22	86.5	July 14	87.2
June 21	84.3	Dec. 19	85.9	Aug. 4	88.0
				Sep. 8	89.5
				Oct. 23	89.1
				Dec. 18	88.6

a Down 10 minutes.

Measurements from Orange County Flood Control District.

C-1171b-O-16, J. T. RAITT. MAP 4.

Location and description--0.25 mile west of Bristol Street, 20 feet south of Fairview Road, south of Santa Ana.

Reference point--Top of casing, 1.4 feet above ground.

Elevation of reference point--69.8, from levels by O.Co.F.C.D.

Use--Irrigation.

Diameter of casing--12 inches.

Other numbers used--O. Co. F.C.D. No. EP-13; Location No. 14516A.

Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>
1931		1932		1933	
June 30	46.3	Jan. 25	37.0	Feb. 7	38.5
Aug. 18	46.5	Feb. 26	35.1	Mar. 15	39.5
Sep. 18	45.3	Apr. 25	44.7	May 25	47.0
Oct. 9	43.9	May 24	43.8	Aug. 1	52.2
Nov. 18	40.0	July 21	48.9	Sep. 8	51.1
		Aug. 22	48.7	Nov. 13	46.7
		Sep. 20	46.3		
		Oct. 27	46.1	1934	
		Nov. 28	45.4		
		Dec. 9	43.4	Jan. 15	42.4
		Dec. 16	41.5		
		Dec. 27	40.4		

Measurements from Orange County Flood Control District.

C-1174c-P-16, W. P. GRACER. MAP 4.

Location and description--0.08 mile south of Harvard Street, which is 0.36 mile north of Delhi Road, 0.3 mile west of Greenville Road (Fairview Road) southwest of Santa Ana. Windmill.

Reference point--Top of clamp on 2-inch piece over casing, 2.1 feet above ground.

Elevation of reference point--50.6, from levels by O. Co. F.C.D. from local B.M.

Use--Domestic.

Depth of well--137 feet.

Diameter of casing--8 inches.

Other numbers used--O. Co. F.C.D. No. 8P-9; Location No. 14498A.

Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>
1931		1932		1933	
June 30	37.0	Jan. 25	25.2	Feb. 6	23.1
July 14	41.3	Feb. 26	20.3	Mar. 15	23.9
Aug. 18	38.7	May 24	31.2	Apr. 20	37.7
Sep. 18 a.	32.9	July 21	33.7	May 25	33.7
Nov. 18	25.9	Nov. 28	30.9	July 7	34.3
		Dec. 27 b	26.4	Aug. 1	39.0
				Sep. 8	37.9
				Nov. 13	31.7
				1934	
				Jan. 9	27.0

a Pumping.

b Pumping slowly.

Measurements from Orange County Flood Control District.

C-1205d-P-16, A. A. MANDERSCHIED. MAP 4.

Location and description-- 225 feet south of Delhi Road, 600 feet west of Bristol street, south of Santa Ana.

Reference point--Top of north side of casing, 0.7 foot above ground.

Elevation of reference point--46, from U.S.G.S. topog. by D.W.R.

Use--Abandoned.

Diameter of casing--7 inches.

Other numbers used--0. Co. F.C.D. No. 8P-7; Location No, 14518.

Date	Dist.R.P. to water surface	Date	Dist.R.P. to water surface	Date	Dist.R.P. to water surface
	<u>Feet</u>		<u>Feet</u>		<u>Feet</u>
1931		1932		1933	
June 30	20.6	Jan. 25	14.3	Feb. 7	14.9
July 14	26.2	Feb. 26	12.4	Mar. 15	16.7
Aug. 28	24.7	Mar. 30	17.5	Apr. 21	28.4
Sep. 28	19.6	Apr. 25	21.8	May 26	22.2
Oct. 9	19.7	May 24	20.2	July 7	26.7
Nov. 18	18.5	July 21	23.2	Aug. 1	27.4
		Aug. 22	22.5	Sep. 8	26.6
		Sep. 20	22.0	Nov. 13	21.8
		Oct. 27	19.9		
		Nov. 28	21.1	1934	
		Dec. 9	19.4		
		Dec. 16	17.8	Jan. 15	18.2
		Dec. 27	17.0		

Measurements from Orange County Flood Control District.

C-1206b-P-17, FRANK BORCHARD. MAP 4.

Location and description--50 feet south of Hobart Street, which is $\frac{1}{2}$ mile south of McFadden Street, 0.25 mile east of Pacific Electric Railway, 0.48 mile east of Main Street, Santa Ana.

Reference point--Air gage, 0.5 foot above concrete floor and 1.0 foot above ground, to and including Feb. 26, 1932; then, top of casing, 1.2 feet lower.

Elevation of reference point--86.2 to and including Feb. 26, 1932; then, 85, from U.S.G.S. topog. by D.W.R.

Use--Irrigation.

Other numbers used--O. Co. F.C.D. NO. 8P-11; Location No. 14547A.

Date	Dist.R.P. to water surface	Date	Dist. R.P. to water surface	Date	Dist.R.P. to water surface
	<u>Feet</u>		<u>Feet</u>		<u>Feet</u>
1931		1932		1933	
June 30 a	78.0	Jan. 25	59.0	Feb. 6	58.1
July 14 b	100.0	Feb. 26	56.0	March 7	59.0
Aug. 18 b	100.0	Mar. 30	57.0	March 15	58.4
Sep. 16	80.0	Apr. 22	66.0	Apr. 18	79.1
Oct. 9 b	95.0	May 24	67.7	Nov. 9	74.2
Nov. 16	68.0	July 19	73.3		
Dec. 22	63.0	Nov. 28	73.2	1934	
		Dec. 27	62.4	Jan. 8	65.7

a From base.

b Pumping.

Measurements from Orange County Flood Control District.

C-1237L-P-16, STEVEN GRISET. MAP 4.

Location and description--20 feet south of Talbert Road at south end of Bristol Street, to north, 0.05 mile east of Bristol Street to south. South of Santa Ana.

Reference point--Hole under pump north side of casing, 0.6 foot above ground.

Elevation of reference point--35.2, from levels by O. Co. F.C.D., from local B.M.

Use--Irrigation.

Diameter of casing--10 inches.

Other numbers used--O. Co. F.C.D. No. 5P-62; Location No. 14519B.

Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>	Date	Dist.R.P. to water surface <u>Feet</u>
1931		1932		1933	
June 29	18.2	Jan. 25	10.4	Feb. 7	10.6
July 14	21.5	Feb. 26	8.5	Mar. 15	16.4
Aug. 18	23.8	Mar. 30	17.3	Apr. 21	26.4
Sep. 18	20.0	Apr. 26	21.2	May 26	19.8
Oct. 9	16.9	May 23	15.1	July 7	24.4
Nov. 18	15.6	July 21	21.6	Aug. 1	29.7
		Aug. 22	20.3	Sep. 8	24.6
		Sep. 20	17.9	Nov. 13	20.6
		Oct. 27	19.2		
		Nov. 28	19.1	1934	
		Dec. 27	13.7	Jan. 15	15.6

Measurements from Orange County Flood Control District.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "D"

			87.		
Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
	1934			1935	
D-703a-H-20	Feb. 15 a	251.8	D-711d-F-20	Jan. 4 b	227.9
				Feb. 4 b	223.7
	1933			Mar. 4 b	221.5
				Apr. 12 b	224.4
D-705-F-20	Jan. 4	182.4			
	Feb. 1	177.3	D-716-G-21	Jan. 3	474.9
	Mar. 1	172.4		Apr. 3	473.8
	Mar. 29	169.3		June 26	475.5
	May 3	170.8		Aug. 23 a	477.9
	June 7	174.9		Sep. 25	480.3
	July 5	179.9		Oct. 10 a	478.9
	Aug. 2	184.6		Nov. 6	480.3
	Sep. 6	189.3		Dec. 26	480.3
	Oct. 4	192.5			
	Nov. 1	194.8		1934	
	Dec. 6	197.0			
	Dec. 27	197.4		Feb. 9 a	478.3
D-707-F-21	Jan. 4	387.6		1933	
	Feb. 1	386.2			
	Mar. 1	385.3	*D-718a-G-20	Jan. 20 ac	480.8
	Mar. 29	384.9		Feb. 8	483.1
	May 3	384.8		Apr. 4	482.2
	June 7	386.0		May 8	484.7
	Dec. 6	426.0		June 27	485.4
	Dec. 27	422.3		July 31	484.7
				Aug. 27	487.0
D-708-F-21	Jan. 4	289.8		Oct. 30	490.7
	Feb. 1	279.1		Dec. 5	488.2
	Mar. 1	269.4		Dec. 18	485.9
	Mar. 29	263.0			
	May 3	270.4		1934	
	June 7	282.1			
	Dec. 14	323.0		Feb. 9 ac	485.6
	Dec. 27	312.4			
			**D-721b-G-20	Feb. 9 a	327.8
D-711b-F-20	Jan. 4 b	350.4			
	Feb. 4 b	345.0	D-723-G-20	Feb. 19 a	583.1
	Mar. 4 b	342.9			
	Apr. 12 b	347.4	D-724-G-21	Feb. 19 a	436.4

*Beginning Mar. 22, 1932, ref. pt. is at airline gage.

**Beginning Aug. 23, 1933, ref. pt. is 0.35 feet above top of pumphouse floor. Elev. 1048.2

a Measurement from Chino Basin Protective Association.

b Measurement from Pomona Valley Protective Association.

c Ref. pt.--Top of coupling. Elev. 1215.

Measurements from owner except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1934	
D-725a-G-21	Jan. 4	388.4	D-740-H-20	Feb. 6 a	138.0
	Mar. 1	388.1	cont.		
	Mar. 29	387.9	D-740a-H-20	Feb. 14 a	169.2
	June 7	390.0	*D-742-H-19	Feb. 14 a	110.5
	Sep. 6	392.7		1933	
	Oct. 4	392.5			
	Nov. 1	392.5			
	Dec. 27	392.0			
	1934		D-743z-I-19	Jan. 3 b	35.0
D-726a-H-21	Jan. 24 a	340.2		Feb. 7 b	33.8
	1933			Mar. 7 b	35.2
				Apr. 4 b	39.8
D-727	Jan. 4	361.5		May 2 b	42.2
	Mar. 1	359.9		June 9 b	51.6
	Mar. 29	359.6		July 18 b	65.7
	May 3	360.3		Aug. 1 b	63.6
	June 7	361.5		Sep. 5 b	58.7
	Aug. 2	362.9		Oct. 3 b	48.2
	Nov. 1	362.9		Nov. 21 b	44.8
	Dec. 6	365.2		Dec. 20 b	41.2
	Dec. 27	364.7		1934	
	1934		D-745-I-20	Feb. 19 a	113.6
D-728-H-20	Feb. 15 a	311.9	D-747a-I-21	Feb. 19 a	95.8
D-729-H-20	Feb. 15 a	264.5	D-749-I-21	Feb. 20 a	78.8
D-733-H-20	Feb. 15 a	221.3	D-750a-I-21	Feb. 20 a	58.1
D-733c-H-20	Feb. 15 a	245.6		1933	
D-734b-H-20	Feb. 15 a	256.8	D-751-I-20	Oct. 13 a	74.1
D-735-H-21	Jan. 24 a	212.2		1934	
	1933				
D-740-H-20	Aug. 24 a	147.7			
	Oct. 12 a	141.1	**D-752-I-20	Feb. 20 a	33.6
			D-753a-I-20	Feb. 20 a	45.6

*Beginning Feb. 14, 1934, ref. pt. is top of pumphead casting at edge of airline hole, 1.2 feet above steel I beams and ground. Elev. 826.2.

**Beginning Feb. 20, 1934, ref. pt. is bottom edge of pumpbase at ground. Elev. 712.5.

a Measurement from Chino Basin Protective Association.

b Measurement from Los Angeles County Flood Control District.

Measurements from owner except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1934			1934	
D-753b-I-20	Jan. 24	18.0	D-766-J-20	Feb. 7	15.2
D-754a-I-19	Feb. 20	20.4	cont.		
			D-768-J-19	Feb. 20	36.4
			D-768a-J-19	Feb. 20	26.1
	1933			1933	
D-754c-I-20	Aug. 24	34.4			
	Oct. 13	26.1	**D-771a-J-20	July 19	30.0
	1934			1934	
	Feb. 7	19.6		Feb. 20	5.1
	1933		D-771e-J-20	Feb. 20	5.9
*D-757a-I-19	Aug. 24	49.8		1933	
	Oct. 13	44.4	D-772-J-20	Aug. 24	7.3
	1934			Oct. 13	6.1
	Feb. 7	39.1		1934	
D-759b-I-20	Jan. 24	2.0		Jan. 24	3.2
	Feb. 6	1.8		1933	
D-760d-I-20	Feb. 20	10.7			
	1933		D-775-J-21	Aug. 24	13.8
D-763-J-21	Aug. 28	31.7		Oct. 13	9.5
	Oct. 12	28.7		1934	
	1934			Jan. 24	5.4
	Jan. 24	20.9		1933	
D-764-J-21	Feb. 20	4.8	D-776c-J-20	Aug. 20	6.6
	1933			Oct. 13	6.5
D-766-J-20	Aug. 24	36.9		1934	
	Oct. 13	31.6		Feb. 7	4.4

*Beginning Oct. 2, 1932, ref. Pt. is top of concrete pipe, 1.0 foot above ground. Elev. 759.0. Correction to Bulletin No. 39-A.

**Ref. pt. (a) in Bulletin No. 39 used.

Measurements from Chino Basin Protective Association.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
D-776e-J-21	Oct. 13	6.5	D-787c-K-21	Oct. 14	29.4
	1934			1934	
	Feb. 7	3.9		Feb. 7	23.9
	1933			1933	
D-780b-K-20	Oct. 13	21.6	D-801-K-21	Oct. 18	20.2
	1934			1934	
	Feb. 7	15.7		Feb. 7	17.9
	1933			1933	
D-781a-K-21	Oct. 13	16.2	D-802-K-21	July 19	31.6
	1934		*D-813-K-22	Aug. 28	8.0
	Jan. 24	3.3		Oct. 18	7.2
	1933			1934	
D-782-K-21	Aug. 24	12.0		Jan. 24	6.7
	Oct. 14	13.2		1933	
	1934		D-905-J-21	Aug. 28	21.0
	Feb. 7	20.5		Oct. 12 a	26.6
	1933		D-906d-J-21	Aug. 28	14.9
D-783-K-21	Aug. 24	26.2		Oct. 14	11.5
	Oct. 14	26.3		1934	
	1934			Jan. 24	7.0
	Jan. 24	26.4		1934	
	1933		D-909-J-22	Aug. 28	38.2
D-784d-K-21	July 19	13.8		Oct. 12	35.5
	Oct. 14	17.8		1934	
				Jan. 24	27.6

*Beginning Aug. 28, 1933, ref. pt. is top of casing, 1.5 feet above ground.
Elev. 547.4.

a Stopped windmill before measuring.

Measurements from Chino Basin Protective Association.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
D-913b-I-22	Aug. 20	129.0	D-929-J-23	Aug. 29	45.9
	Oct. 10	129.3		Oct. 12	45.2
	1934			1934	
	Feb. 6	127.8		Feb. 6	42.9
	1933			1933	
D-915-I-22	Aug. 28	71.3	D-929a-J-23	Aug. 29	42.8
	Oct. 10	70.4		Oct. 12	42.5
	1934			1934	
	Feb. 6	66.6		Feb. 6	41.3
	1933			1933	
D-918b-J-22	Oct. 14	17.6	D-935-I-23	Aug. 29	108.4
				Oct. 12	108.4
	1934			1934	
	Feb. 7	10.2		Jan. 24	107.1
	1933			1933	
D-918d-J-22	Aug. 28	29.4			
	Oct. 12	28.5	D-936a-I-23	Oct. 12	133.4
	1934			1934	
	Jan. 24	26.5		Feb. 5	131.9
	1933			1933	
D-928a-J-23	Oct. 12	40.9	*D-938-I-23	Aug. 29	107.8
				Oct. 12	107.6
	1934			1934	
	Jan. 24	38.6		Feb. 6	106.5

*Beginning Aug. 29, 1933, ref. pt. is top of triangular post in north-west corner of pit, 0.8 foot below old ref. pt. Elev. 783.0.
Measurements from Chino Basin Protective Association except as noted.

Well Number	Date		Dist.R.P. to water surface <u>Feet</u>	Well Number	Date		Dist.R.P. to water surface <u>Feet</u>
	1933				1933		
*D-940b-J-23	Aug. 29	a	62.9	D-983k-I-26	Jan. 15		28.1
	Oct. 12	a	62.9		Feb. 14		27.8
					Mar. 19		Plugged
	1934						
	Feb. 6	a	62.5	D-984-I-26	Apr. 17		93.0
					July 24		95.7
					Dec. 14		94.4
	1933						
D-975c-I-25	Feb. 14		47.4	D-985c-I-26	Jan. 15		69.6
	May 22		47.5		Feb. 14		68.8
	July 24		48.2		May 22		70.3
	Dec. 14		48.5		June 17		70.8
D-975d-I-25	Dec. 14	b	14.0		Sep. 16		73.1
					Oct. 15		73.0
D-976a-J-25	Jan. 15		5.0		Dec. 14		72.2
	Feb. 14		4.9		1934		
	Mar. 19		5.2		Jan. 16		70.6
	May 22		5.3				
	July 24		6.3		1933		
	Aug. 21		6.6				
	Sep. 16	c	7.2	D-986-I-26	Jan. 15		60.1
	Dec. 14	b	5.3		Feb. 14		59.1
D-983c-I-26	Jan. 15		57.7		Mar. 19		59.8
	Feb. 14		57.9		Apr. 17		60.4
	Mar. 19		58.0		May 22		60.4
	Apr. 17		58.0		June 17		61.0
	May 22		57.8		Aug. 21		62.6
	June 17		57.7		Oct. 15		62.9
	July 24	d	57.9		Nov. 13		62.9
	Sep. 16		58.1		Dec. 14		62.4
	Oct. 15		58.1				
	Nov. 13		58.1		1934		
	Dec. 14		58.1		Jan. 16		60.6
	1934				Feb. 16		60.9
	Jan. 16		58.2				
	Feb. 16		58.3				

* Beginning Aug. 29, 1933, ref. pt. is top of planks over well, 0.21 foot above old ref. pt. Elev. 701.5.

a Measurement from Chino Basin Protective Association.

b Has been pumping slowly.

c Pumping 3 minutes before measuring.

d Pumping 150 feet southwest.

Measurements from Riverside Cement Company except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1934	
D-1001b-G-21	Feb. 8 a	219.6	D-1008-H-22	Feb. 6	179.4
	Apr. 1 a	219.5	cont.		
	Apr. 12 a	235.0		1933	
	May 2 a	242.2			
	June 14 a	252.8	D-1016-H-22	Aug. 25	261.3
	July 1 a	277.0		Oct. 10	261.6
	Aug. 31 a	301.0		1934	
	Oct. 4 a	309.0			
	Oct. 30 a	308.0		Feb. 6	261.9
	1934			1933	
	Jan. 5 a	253.0			
	1933		D-1022-G-22	Aug. 25	309.4
D-1001g-G-21	Jan. 11 a	167.6		Oct. 11	309.5
	Feb. 8 a	161.1		1934	
	Apr. 1 a	158.0			
	May 2 a	165.4		Jan. 24	308.6
	Oct. 4 a	230.0	D-1025-G-23	Mar. 7 bc	442.5
	Oct. 30 a	228.0		1933	
	1934				
	Jan. 5 a	191.0	*D-1029-H-23	Aug. 25	217.9
	1933			1934	
D-1001i-G-21	Jan. 11 a	207.		Jan. 24	218.8
	Feb. 8 a	194.		1933	
	Apr. 12 a	210.			
	1934		D-1030-H-23	Aug. 29	164.3
				Oct. 12	164.6
				1934	
	Jan. 5 a	250		Feb. 6	164.5
D-1008-H-22	Aug. 28	180.1			
	Oct. 10	179.7			

*Beginning Aug. 25, 1933, ref. pt. is top of casing, 0.8 foot above ground.

Elev. 974.6.

a Measurement from owner.

b Measurement from Division of Water Resources.

c Electric tape.

Measurements from Chino Basin Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1934	
D-1031-H-23	Aug. 29	151.5	D-1044-H-24	Feb. 5	181.4
	Oct. 11	151.5	cont.		
	1934			1933	
	Feb. 6	150.3	D-1050-G-24	Apr. 12 d	363.8
				Aug. 26	367.5
				Oct. 11	368.0
	1933			Dec. 14 d	368.4
D-1033-H-23	Aug. 25	274.4		1934	
	Oct. 12	273.8		Feb. 5	367.9
	1934			1933	
	Jan. 24	274.8	D-1050a-G-24	May 1 d	435.2
	1933			Dec. 14 d	437.5
*D-1037-G-23	July 29 ab	400.0	D-1052-H-24	May 1 de	286.0
	1934			Aug. 26	286.0
	Mar. 7 bc	400.0		Oct. 11	286.6
	1933			Dec. 14 de	288.3
				1934	
D-1043-H-24	Aug. 26	117.9		Feb. 5	286.8
	Oct. 11	118.1		1933	
	1934		D-1053-H-24	Aug. 26	229.8
	Feb. 5	117.8		Oct. 11	230.1
	1933			1934	
D-1044-H-24	May 1 d	179.0		Feb. 5	230.4
	Aug. 26	180.8		1933	
	Oct. 11	181.2			
	Dec. 14 d	180.5	D-1059-G-24	Apr. 12 de	400.4
				Dec. 14 de	403.7

* Owner states that measurements from July 11, 1931 to Jan 27, 1933, are probably in error as the airline is out of order.

a Measurement from owner.

b Electric tape.

c Measurement from Division of Water Resources.

d Measurement from Fontana Union Water Company.

e Reference point is air gage.

Measurement from Chino Basin Protective Association except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
	1934			1934	
D-1061-G-25	Jan. 19	a 563.	D-1064b-H-25	Feb. 5	332.2
	Feb. 16	a 563.		cont.	
	Mar. 16	a 564.			
	Aug. 26	565.		1933	
D-1062-G-25	Apr. 5	a 426.5	D-1065-H-25	May 1bd	238.
	Dec. 14	a 434.4		Dec.15 bd	239.
	1934		D-1068-H-25	Feb. 1	d 246.1
	Feb. 5	429.5		Mar. 1	d 245.7
				Apr. 1	d 245.6
				May 1	d 255.7
	1933			June 30d	251.1
				Nov. 1	d 248.0
D-1062a-G-25	Apr. 14	a 419.5		Dec. 5	d 248.1
	Dec. 15	a 424.1			
D-1064-H-25	May 1	ab 293.8	*D-1072-G-25	Aug.26	310.2
	Aug.26	c 297.4		Oct. 11	305.6
	Oct.11	c 297.5			
				1934	
	1934			Feb. 5	288.9
	Feb. 5	c 296.6			
	1933			1933	
D-1064a-H-25	Apr.14	a 339.6	D-1075-G-25	Jan. 19	d 328.0
	Dec.14	a 341.9		Feb.16	d 328.0
				Apr.16	d 330.9
				May 15	d 330.9
	1934			Dec.15	d 330.9
	Feb. 5	344.2	D-1075a-G-25	Feb.16bd	379.1
				Apr.16bd	379.1
	1933			May 15bd	379.1
				Aug.26	c 377.7
				Oct.11	c 378.1
				Dec.15bd	381.4
D-1064b-H-25	Apr.14	de 330.8			
	Aug.26	333.0		1934	
	Oct.11	333.0			
	Dec.14	de 335.4		Feb. 5	c 378.5

*Ref. pt. is top edge of steel I beams at floor. Elev. 1406.2.

a Measurement from Fontana Union Water Company.

b Reference point (a) in Bulletin No. 39 used.

c Reference point (b) in Bulletin No. 39 used.

d Measurement from owner.

e Reference point is air gage.

Measurements from Chino Basin Protective Association except as noted.

Well Number	Date	Dist.R.P. to Water surface	Well Number	Date	Dist.R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
	1933			1932	
D-1081-H-26	Jan. 15	248.3	D-1095-G-26	Dec. 1 a	204.5
	Feb. 14	248.6			
	Mar. 19	248.6		1933	
	Apr. 17	248.4		Jan. a	201.1
	May 22	248.5		Feb. 1 a	203.5
	June 17	248.7		Mar. 1 a	203.5
	July 24	249.0		Apr. 1 a	203.5
	Aug. 21	249.4		Dec. 5 a	209.9
	Sep. 16	249.5			
	Oct. 15	249.8	D-1105-F-21	Jan. 4 a	457.9
	Nov. 13	249.9		Feb. 1 a	449.6
	Dec. 14	250.1		Mar. 1 a	442.2
	1934			Mar. 29 a	436.6
	Jan. 16	250.2		May 3 a	435.9
	Feb. 16	250.1		Nov. 1 a	480.8
				Dec. 6 a	484.0
				Dec. 27 a	476.8
	1933				
D-1088-H-26	Feb. 1 a	179.3	D-1106-F-21	Jan. 4 a	278.0
	Mar. 1 a	178.9		Feb. 1 a	266.0
	Apr. 1 a	177.1		Mar. 1 a	255.5
	May 1 a	182.0		Mar. 29 a	259.2
	Oct. 11 a	184.7		May 3 a	267.6
	Nov. 1 a	185.4		June 7 a	296.8
	Dec. 5 a	182.4		July 5 a	310.1
D-1090-H-26				Nov. 1 a	332.9
	Jan. 15	115.9		Dec. 6 a	328.3
	Feb. 14	115.6		Dec. 27 a	305.2
	Mar. 19	115.1		1934	
	Apr. 17	115.4			
	May 22	115.2	D-1108-F-22	Mar. 7 bc	387.9
	June 17	115.8			
	July 24	116.8	D-1116a-F-22	Jan. 4	373.0
	Aug. 24	117.4			
	Sep. 16	117.7	D-116b-F-22	Jan. 4	364.0
	Oct. 15	118.2			
	Nov. 13	118.4		1933	
	Dec. 14	118.5			
	1934		D-1156-F-24	Jan. 7 d	692.
	Jan. 16	118.0		Mar. 4 d	693.
	Feb. 16	117.6		May 7 d	694.
				Aug. 8 d	695.
				Dec. 11 d	696.

a Measurement from owner.

b Measurement from Division of Water Resources.

c Electric tape.

d Measurement from Lytle Creek Water Conservation Association.

Measurements from Riverside Cement Company except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
			<u>Feet</u>				<u>Feet</u>
	1933				1933		
D-1161-E-25	Jan. 18		68.	D-1181-F-26 cont.	June 15		206.
	Feb. 18		59.		July 18		216.
	Mar. 15		57.		Aug. 16		240.
	Oct. 30		106.		Sep. 21		248.
	Nov. 16		106.		Oct. 30		259.
	Dec. 15		90.		Nov. 16		261.
					Dec. 15		259.
D-1162a-E-25	Jan. 18		102.	**D-1181c-F-26	Apr. 26		103.
	Feb. 18		84.		May 15		99.
	Mar. 15		82.		Aug. 16		136.
	Dec. 15		120.		Sep. 21		144.
D-1165-F-25	Jan. 7	a	393.		Oct. 30		141.
	Apr. 6	a	392.		Nov. 16		148.
	June 6	a	391.		Dec. 15		136.
	Aug. 8	a	390.	D-1182b-E-26	Jan. 18		345.
	Oct. 4	a	388.		Feb. 17		341.4
	Dec. 11	a	386.5		Mar. 15		341.4
D-1166-F-25	Jan. 7	a	328.3		Apr. 26		337.
	Mar. 4	a	328.3		May 15		334.
	Oct. 4	a	328.3		Aug. 16		332.
	Dec. 11	a	328.3	Dec. 15		332.	
*D-1177a-F-25	Jan. 10	bc	461.5	D-1182c-E-26	Jan. 18	d	301.5
	Apr. 3	b	461.5		Feb. 17	d	296.9
					Mar. 15	d	294.5
	1934				Apr. 26	d	287.6
	Feb. 13	b	464.2		Dec. 15	d	289.9
	1933			***D-1184-E-26	Sep. 11	c	133.4
					Oct. 4	e	134.5
					Nov. 8	e	135.2
D-1181-F-26	Jan. 18		197.				
	Feb. 17		192.		1934		
	Mar. 15		179.				
	Apr. 1		177.		Jan. 4	c	138.6
	May 15		182.				

*Beginning Jan. 10, 1933, ref. pt. is airline gage, 1 foot above ground.

*Sinking water from Power House when possible.

***Beginning Sep. 11, 1933, ref. pt. is bottom of pump base. Elev. 1877.7.

a Measurement from Lytle Creek Water Conservation Association.

b Measurement from C. A. Smith.

c Correction to measurement in Bulletin No. 39-A.

d Reference point (a) in Bulletin No. 39 used.

e Measurement from San Bernardino Water Department.

Measurements from Fontana Union Water Company except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
	1933			1932	
*D-1188a-F-26	Jan. 18	a 212.7	D-1192c-F-26	July 2	197.6
	Feb. 17	a 208.1		Aug. 2	198.9
	Mar. 15	a 205.8		Sep. 3	185.2
	Apr. 1	a 201.1		Oct. 1	181.6
	Apr. 26	a 196.5		Nov. 2	179.2
	Dec. 15	a 201.2		Dec. 1	176.7
				1933	
				Jan.	174.5
				Feb. 1	170.0
				Mar. 1	163.5
				May 1	186.2
				June 1	168.1
				June 30	178.8
				Aug. 2	158.3
				Dec. 5	175.4

* Beginning Apr. 14, 1932, ref. pt. is air gage, 2 feet above ground and 1 foot above floor. Elev. 1456.2.

a Measurement from Fontana Union Water Company.
Measurements from owner except as noted.

D-1116a-F-22, SCHOWALTER MUTUAL WATER COMPANY, NO. 2. MAP 6.

Log available.

Location and description--20 feet north of Ananas Street, 0.23 mile east of Hermosa Street. East of Upland.

Reference point--Air gage, 1.0 foot above ground.

Elevation of reference point--1900 from Met. W.D. topog. by D.W.R.

Use--Irrigation.

Depth of well--738 feet

Diameter of casing--20 inches.

Other numbers used--Location No. 18514.

Date	Dist.R.P. to water surface
	<u>Feet</u>
1934	
Jan. 4	373.0
Measurement from owner.	

D-1116b-F-22, SCHOWALTER MUTUAL WATER COMPANY, NO. 1. MAP 6.

Log available.

Location and description--0.25 mile north of Ananas Street, 400 feet east of Hermosa Street. East of Upland.

Reference point--Air gage, 1 foot above ground.

Elevation of reference point--1950 from Met.W.D. topog. by D.W.R.

Use--Irrigation.

Depth of well--618 feet.

Diameter of casing--16 inches.

Other numbers used--Location No. 18514A.

Date	Dist.R.P. to water surface
	<u>Feet</u>
1934	
Jan. 4	364.0
Measurement from owner.	

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "E"

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1934			1933	
E-1-E-27	Jan. 4	13.5	E-5e-F-27	Feb. 14	184.1
	1933			Mar. 9	185.8
				Apr. 10	183.3
E-2-E-27	Feb. 13	182.2		Oct. 4	185.2
	Mar. 10	182.0		Nov. 7	184.5
	Apr. 11	181.8		1934	
	May 1	182.3		Jan. 5	183.9
	June 8	182.2		Jan. 23 a	182.4
	July 10	182.0			
	Aug. 11	182.2		1933	
	Sep. 6	182.5			
	Oct. 4	182.5			
	Nov. 8	182.9	E-6-F-27	Jan. 1	277.0
	1934			Feb. 1	266.0
				Mar. 1	260.0
	Jan. 4	183.1		Apr. 1	258.0
	1933			May 1	257.0
				June 1	258.0
E-2a-E-27	Feb. 10	216.8		1932	
	Apr. 29	220.6	E-6b-F-27	Jan. 4 b	246.0
	June 8	219.0		Feb. 2 b	241.4
	July 1	220.3		Mar. 5 b	237.3
	Nov. 29	218.5		Apr. 4 b	235.2
	1934			May 3 b	237.1
				June 1 b	240.5
	Jan. 4	215.0		July 2 b	240.1
	1933			Aug. 2 b	240.6
				Sep. 3 b	241.1
E-4a-F-27	Feb. 14	221.1		1933	
	Mar. 9	221.7			
	Apr. 11	222.8		Feb. 1 b	232.5
	May 1	222.8		Mar. 1 b	230.6
	June 8	221.9		Apr. 1 b	226.1
	Aug. 11	224.0		May 1 b	227.4
	Sep. 6	224.8		June 1 b	223.4
	Oct. 4	224.4		June 30 b	229.0
	Nov. 8	224.6		Aug. 2 b	231.2
	1934			Sep. 7 b	243.8
				Oct. 6 b	249.9
	Jan. 5	223.9		Nov. 1 b	245.8
	Jan. 23 a	223.5		Dec. 5 b	240.8

a Measurement from Division of Water Resources.

b Measurement from owner.

Measurements from San Bernardino Water Department except as noted.

Well Number	Date		Dist.R.P. to water surface <u>feet</u>	Well Number	Date		Dist.R.P. to water surface <u>feet</u>	
1932				1933				
E-7-G-27	Jan.	4	a 97.6	E-22-G-27	Feb.	14	37.5	
	Feb.	2	a 92.7		Mar.	9	38.0	
	Mar.	5	a 92.5		Apr.	11	41.1	
	May	3	a 111.7		May	2	40.6	
	Oct.	1	a 119.5		June	8	42.1	
1933					July	10	43.7	
Jan.		a 120.9	Aug.		11	44.4		
Feb.	1	a 96.1	Sep.		7	44.9		
Mar.	1	a 97.7	Oct.		4	44.4		
May	1	a 99.7	Nov.		8	43.0		
E-10-E-27	Feb.	10	181.9	1934				
	Mar.	10	181.3	Jan.	5	40.1		
	Apr.	11	181.0	Jan.	23	b 40.2		
	May	1	181.6	1933				
	June	8	180.8	E-23-G-27	Apr.	11	41.3	
	Aug.	12	182.5		May	2	41.9	
	Oct.	2	182.2		July	8	44.6	
	Nov.	8	181.3		Aug.	12	47.5	
1934					Sep.	7	47.9	
Jan.	2	180.7	Oct.		4	46.5		
Jan.	23	b 180.1	Nov.		4	42.3		
1933				1934				
E-15-G-27	Feb.	14	62.0	Jan.	5	35.0		
	Mar.	9	61.7	1932				
	Apr.	11	71.6	E-24-E-28	Feb.	6	18.7	
	June	8	74.9		1933			
	July	10	Dry 77.0		June	8	14.5	
	Aug.	11	78.4		July	10	16.9	
	Sep.	7	78.9		Aug.	10	18.0	
	Oct.	4	77.1	Sep.	6	18.8		
	Nov.	8	73.6	Oct.	4	19.1		
1934				Nov.	7	19.2		
Jan.	5	68.0	1934					
Jan.	23	b 64.8	Jan.	4	18.3			

a Measurement from owner.

b Measurement from Division of Water Resources.

Measurements from San Bernardino Water Department except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
E-25e-F-28	Feb. 13	170.1	E-29b-G-27	Feb. 4 a	11.4
	Mar. 10	169.9		Mar. 8 a	10.7
	Apr. 10	170.6		Mar. 25 a	15.4
	May 1	170.3		Apr. 27 a	16.6
	July 10	178.9		May 25 a	15.4
	Aug. 10	184.2		June 29 a	18.2
	Oct. 4	175.6		Aug. 9 a	19.3
	Nov. 7	175.8		Sep. 7 a	19.6
				Oct. 13 a	18.8
	1934			Nov. 16 a	16.8
	Jan. 4	175.1		Dec. 20 a	14.4
			E-31-G-28	Feb. 13	34.8
	1933			Mar. 9	34.6
E-26-F-27	Feb. 13	93.1		Apr. 10	35.3
	Mar. 10	93.0		May 1	35.5
	Apr. 11	93.5		June 8	36.0
	May 1	93.8		July 10	36.4
	June 8	94.0		Aug. 10	37.6
	July 10	95.2		Sep. 7	38.0
	Aug. 10	95.1		Oct. 4	38.2
	Sep. 7	95.7		Nov. 8	38.2
	Oct. 4	96.2			
	Nov. 8	96.8		1934	
				Jan. 5	37.3
	1934			Jan. 23 b	37.1
	Jan. 4	96.9			
				1933	
	1933		E-31a-F-28	Feb. 14	64.2
E-27-F-28	Feb. 13	49.3		Mar. 10	63.7
	Mar. 9	50.1		Apr. 11	64.5
	Apr. 10	50.1		May 2	64.7
	May 1	51.2		June 8	68.4
	June 8	51.6		July 10	68.9
	July 10	52.1		Aug. 10	69.6
	Aug. 11	51.3		Sep. 7	69.2
				Oct. 4 c	73.8
				Nov. 8	68.1
E-29-G-28	Feb. 1	+48.4			
	Mar. 1	+47.2		1934	
	Apr. 11	+41.5		Jan. 5	67.2
	May 2	+46.1			
	June 8	+36.9			
	July 8	+32.3			

a Measurement from Water Conservation Association.

b Measurement from Division of Water Resources.

c Pumping.

Measurements from San Bernardino Water Department except as noted.

Well Number	Date	Dist.R.P. to water surface <u>feet</u>	Well Number	Date	Dist.R.P. to water surface <u>feet</u>
1933			1934		
E-34-E-28	Feb. 13	8.1	E-35c-F-28	Jan. 4	140.8
	Mar. 10	8.4		Jan. 22 a	141.1
	Apr. 10	9.5	1933		
	May 1	10.2	E-36-F-28	Jan. 1 b	80.0
	June 8	9.3		Feb. 1	79.0
	July 10	11.2		Mar. 1	78.0
	Aug. 10	12.4		Apr. 1	79.5
	Sep. 6	12.9		May 1	80.0
	Oct. 4	13.4		June 1	83.0
Nov. 7	13.5	July 1		87.0	
1934				Aug. 1	88.0
Jan. 4	10.0	Sep. 1		87.0	
Jan. 23 a	13.5	Oct. 1		86.0	
1933				Nov. 1	86.0
E-34b-F-28	Feb. 13	177.5		Dec. 1	86.0
	Mar. 10	176.2	E-37-F-28	Feb. 14	43.2
	Apr. 10	175.2		Mar. 8 c	45.8
	May 1	174.9		Apr. 11	54.6
	June 8	174.4		May 2	49.7
	July 10	175.1		June 8	56.7
	Aug. 10	175.7		July 10	59.8
	Sep. 6	176.5		Aug. 11	61.5
	Oct. 4	177.3		Sep. 7	62.2
	Nov. 7	178.4		Oct. 4	60.9
1934				Nov. 7	60.1
Jan. 4	179.9	Dec. 20 c		53.7	
Jan. 23 a	179.9	1934			
1933			1933		
E-35c-F-28	Feb. 13	134.9	E-38a-G-28	Feb. 13	9.6
	Mar. 10	134.8		Mar. 9	9.9
	Apr. 10	135.8		Apr. 10	11.5
	May 1	136.2		May 1	12.5
	June 8	137.0		June 7	12.2
	Aug. 10	140.1		July 7	14.2
	Oct. 4	143.7		Aug. 5	15.3

a Measurement from Division of Water Resources.

b Correction to Bulletin No. 39-A

c Measurement from Water Conservation Association.

Measurements from San Bernardino Water Department except as noted.

			Dist.R.P. to water surface						Dist.R.P. to water surface		
Well Number	Date		Feet	Well Number	Date		Feet		Feet		
	1933				1933						
E-38a-G-28 contd.	Sep. 6		14.9	E-44-F-28 cont.	May 1		97.7				
	Oct. 5		15.2		June 8		97.8				
	Nov. 7		14.5		July 10		100.1				
					Aug. 10		101.9				
	1934				Sep. 6		102.5				
					Oct. 4		103.2				
	Jan. 3		12.2		Nov. 7		103.5				
	1933				1934						
E-39-G-28	Feb. 4	a	+41.6		Jan. 4		102.0				
	Mar. 3	a	+39.5		Jan. 22	b	101.6				
	Mar. 25	a	+51.4								
	Apr. 27-Dec. 20	a	Flowing		1933						
E-39d-G-28	Feb. 4	a	+53.1	E-45e-F-29	Mar. 10		101.2				
	Apr. 27	a	+52.8		Apr. 10		101.2				
	May 26-Dec. 20	a	Flowing		May 1		102.3				
E-42-G-28	Feb. 1		+23.1		June 8		103.8				
	Mar. 1		+28.9		July 9		107.5				
	Apr. 1		+ 9.2		Aug. 10		110.1				
	May 1		+ 2.3		Sep. 6		113.0				
	June 1		7.0		Oct. 4		110.7				
					Nov. 7		109.7				
					1934						
E-43-G-28	Feb. 13		+50.8								
	Mar. 9		+46.2		Jan. 4		105.7				
	Apr. 10		+32.3		Jan. 22	b	107.0				
	May 1		+36.9								
	June 7		+29.9		1933						
	July 7		+23.1								
	Aug. 10		+19.8								
	Sep. 6		+23.1	E-46-G-28	Feb. 13		14.1				
	Oct. 5		+24.2		Mar. 9		14.0				
	Nov. 9		+27.7		Apr. 10		14.2				
					May 2		14.2				
					Aug. 11		16.5				
	1934				Sep. 6		16.6				
					Nov. 8		17.0				
	Jan. 3		+55.8		1934						
	1933										
E-44-F-28	Feb. 13		98.0		Jun. 5		16.3				
	Mar. 10		97.0								
	Apr. 10		97.6								

a Measurement from Water conservation association.

b Measurement from Division of Water Resources.

Measurements from San Bernardino Water Department except as noted.

Well Number	Date	Dist.R.P. to water surface <u>feet</u>	Well Number	Date	Dist.R.P. to water surface <u>feet</u>
	1933			1933	
*E-46e-F-29	Feb. 13	16.5	E-47e-G-28	Sep. 7 b	26.8
	Mar. 9	16.1	cont.	Oct. 13 b	27.5
	Apr. 10	19.7		Nov. 16 b	28.5
	May 1	17.7		Dec. 20 b	29.1
	June 7	17.6			
	July 7	19.8	E-48-G-28	Mar. 25 b	25.4
	Aug. 10	20.1		Apr. 28 b	26.2
	Sep. 6	15.3		May 26 b	24.7
	Oct. 5	14.4			
	Nov. 7	15.7	E-49-F-29	Feb. 13	150.6
				Mar. 10	150.4
	1934			Apr. 10	151.9
	Jan. 3	14.1		May 1	152.4
				June 7	154.6
	1933			July 10	158.2
E-47-d-G-28	Feb. 13	11.9		Oct. 4	163.1
	Mar. 10	12.0		Nov. 7	161.5
	Apr. 10	11.3			
	May 1	11.6		1934	
	June 7	11.4		Jan. 4	158.3
	July 7	11.8			
	Aug. 7	12.4		1933	
	Sep. 6	12.5	E-49d-F-29	Feb. 13	160.0
	Oct. 5 a	13.4		Mar. 10	159.1
	Nov. 7	13.5		Apr. 10	163.0
				May 1	166.2
	1934			June 7	162.0
	Jan. 3	14.2		July 10	166.9
				Aug. 10	171.7
	1933			Sep. 6	170.5
E-47e-G-28	Feb. 3 b	25.7		Oct. 4	170.8
	Mar. 8 b	25.2		Nov. 7	171.6
	Mar. 25 b	25.2			
	Apr. 27 b	25.1		1934	
	May 26 b	27.0		Jan. 4	169.2
	June 29 b	25.7		Jan. 22 c	168.5
	Aug. 9 b	26.4			

* Beginning Sep. 6, 1933, ref. pt. is top of casing, 4.5 feet below ground.
Elev. 1111.1.

a Pumping.

b Measurement from Water Conservation Association.

c Measurement from Division of Water Resources.

Measurements from San Bernardino Water Department except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
E-50a-F-29	Feb. 13	34.4	**E-52g-G-29	Aug. 10	42.2
	Apr. 10	38.0		Sep. 6	43.5
	May 1	37.8		Oct. 5	44.9
	June 7	41.4		Nov. 4	46.2
	July 7	45.8			
	Aug. 10	48.0		1934	
	Sep. 6	48.9		Jan. 3	45.4
	Oct. 5	48.1			
	Nov. 7	46.5		1933	
	1934				
	Jan. 4	42.0	E-54-F-29	June 7	267.3
	Jan. 22 a	40.3		Aug. 10	270.9
				Oct. 5	272.7
				Nov. 7	267.0
	1933				
				1934	
E-50i-G-29	Feb. 20 b	8.8		Jan. 4	264.0
	June 7 b	14.2			
	Aug. 15 b	20.0		1933	
	1934				
	Feb. 12 b	15.2	E-55b-G-29	Feb. 13	144.4
				Mar. 10	139.6
				May 1	145.4
	1933			June 7	147.1
				Nov. 7	147.5
*E-51d-G-29	Jan. 5	34.8		1934	
	Feb. 13	32.5		Jan. 4	143.0
	Mar. 9	32.1			
	Apr. 10	33.8		1933	
	May 1	34.8			
	June 7	35.2			
	July 7	35.6			
	Aug. 10	38.7	***E-56i-G-29	Feb. 13	76.9
	Sep. 6	39.4		Mar. 9	76.8
	Oct. 5	40.1		Apr. 10	76.4
	Nov. 7	39.5		May 1	76.2
				June 7	77.3
	1934			Aug. 11	82.2
				Sep. 6	84.0
	Jan. 3	39.6		Oct. 5	85.5
				Nov. 7	86.8

*Ref. pt. is top of concrete pit, east side, 1.5 feet below ground. Elev. 1145.1.

**Beginning July 7, 1933, ref. pt. is top of 2 x 8 boards on top of pit at ground. Elev. 1141.6.

***Beginning June 7, 1933, ref. pt. is top of concrete block. Same elev.

a Measurement from Division of Water Resources.

b Measurement from United States Geological Survey.

Measurements from San Bernardino Water Department except as noted.

Well Number	Date	Dist.R.P. to water surface <u>feet</u>	Well Number	Date	Dist.R.P. to water surface <u>feet</u>
	1934			1933	
E-56i-G-29	Jan. 3	86.6	E-60-G-30	Feb. 13	76.5
cont.	Feb. 7	83.6		Mar. 9	76.5
	Mar. 5	Plugged		Apr. 10	76.2
				May 1	76.2
	1933			June 7	75.9
E-57-G-29	Feb. 13	79.8		July 7	74.9
	Mar. 9	74.6		Aug. 11	75.0
	Apr. 10	76.1		Sep. 6	74.6
	May 1	76.8		Oct. 5	75.0
	June 7	78.2		Nov. 7	75.5
	July 8	86.5			
	Aug. 11	83.2		1934	
	Sep. 6	85.7		Jan. 4	75.9
	Oct. 5	90.5		Jan. 23 b	76.8
	Nov. 7	91.0			
	1934			1933	
	Jan. 3	87.5	E-62a-G-30	Feb. 13	247.0
				Mar. 19	250.2
	1933			Apr. 10	249.6
E-59-G-29	Feb. 3 a	80.2		May 1	250.4
	Mar. 8 a	78.1		June 7	252.0
	May 26 a	90.4		July 7	256.0
	Aug. 9 a	95.1		Aug. 11	259.7
	Sep. 7 a	99.1		Sep. 6	262.5
	Oct. 13 a	99.7		Oct. 5	264.2
				Nov. 7	265.5
E-59a-G-30	Feb. 13	110.8		1934	
	Mar. 9	109.1		Jan. 4	277.6
	Apr. 10	109.0		Jan. 23 b	270.6
	May 1	108.4			
	June 7	109.7		1933	
	July 7	111.1			
	Aug. 11	113.7	E-66-I-26	Mar. 29 c	11.0
	Sep. 6	115.9		June 30 c	11.5
	Oct. 5	117.4			
	Nov. 7	119.3		1934	
	1934			Jan. 5 c	10.6
	Jan. 3	124.2		Feb. 4 c	10.5
	Jan. 23 b	122.5			

a Measurement from Water Conservation Association.

b Measurement from Division of Water Resources.

c Measurement from Riverside County Water Users Association.

Measurements from San Bernardino Water Department except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
		Feet				Feet	
	1932				1933		
E-67f-I-26	Feb. 12		21.4	E-70-G-27	Jan. 15	b	204.
	Mar. 14		18.8		Apr. 15	b	202.
	Apr. 14		18.8		July 15	b	212.
	May 23		20.0		Sep. 15	b	214.
	June 14		20.7		Dec. 15	b	212.
	July 13		21.7	E-74-I-27	Jan. 15		58.6
	Aug. 16		22.3		Feb. 14		58.7
	Sep. 14		23.3		May 22		58.1
	Oct. 17		23.6		July 24		64.6
	Nov. 15		24.1		Aug. 21		66.8
	Dec. 15		24.2		Sep. 16		62.4
					Oct. 15		61.8
			Dec. 14			61.0	
	1933				1934		
	Jan. 15		23.8		Jan. 16		61.2
	Feb. 14		22.8				
	Mar. 19		22.6				
	Apr. 17		22.4				
	May 22		22.3				
	June 17		22.9				
	July 24		24.0				
	1934			E-74i-I-27	Jan. 31	a	121.8
E-67h-I-26	Feb. 4	a	16.0		Mar. 29	a	121.0
					May 30	a	120.8
					June 30	a	121.6
					July 30	a	122.4
	1933				1934		
E-68g-I-26	June 30	a	14.8		Jan. 5	a	126.2
					Feb. 4	a	126.4
	1934				1932		
	Jan. 5	a	12.6				
	1933			E-75-H-27	Jan. 18		43.5
E-69L-I-26	Jan. 31	a	10.4		Feb. 12		37.8
	Mar. 29	a	9.9		Mar. 14		29.9
	May 30	a	10.4		June 14		35.4
	June 30	a	10.6		July 13		40.5
	July 30	a	12.9		Aug. 16		45.4
					Sept. 14		49.6
			Oct. 17			52.2	
			Nov. 15			52.7	
			Dec. 15			52.8	
	1934						
	Jan. 5	a	12.7				
	Feb. 4	a	12.1				

a Measurement from Riverside County Water Users Association.

b Measurement from Colton Water Department.

Measurements from Riverside Cement Company except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
		Feet	Feet				
	1933				1933		
E-98-H-28	Mar.3-Nov.16	a	flowing	E-107b-H-29	Feb. 2	a	81.4
	Dec. 18	a	leaking		Mar. 3	a	80.4
					Mar. 25	a	81.1
E-101-G-28	Feb. 13	b	14.9		Apr. 28	a	83.9
	Mar. 9	b	19.4		May 26	a	83.5
	Apr. 10	b	28.7		June 29	a	87.1
	May 1	b	26.1		Aug. 9	a	94.4
	June 7	b	32.0		Sep. 7	a	99.5
	Nov. 7	b	32.0		Oct. 13	a	99.5
					Nov. 16	a	90.9
	1934				Dec. 18	a	89.2
	Jan. 3	b	19.4	E-107d-H-29	Feb. 20		80.2
					June 7		80.0
	1933				Aug. 15		81.2
E-102m-H-28	Feb. 20		42.9				
	June 7		Dry		1934		
					Feb. 12		82.0
*E-106-H-29	Feb. 20		50.4				
	June 7		35.6		1933		
	Aug. 15		61.0				
	1934			**E-109-G-29	Mar. 4	d	35.8
	Feb. 12		59.7		Apr. 1	d	34.8
					May 6	d	36.8
	1933				June 3	d	38.1
					July 1	d	40.1
					Aug. 5	d	43.0
					Sep. 2	d	45.1
E-106d-H-29	Feb. 20		54.6		Oct. 7	d	47.0
	June 7		Covered		Nov. 4	d	48.2
					Dec. 2	d	49.0
E-107a-H-29	Feb. 20		60.4				
	June 7		64.0		1934		
	Aug. 15		67.3				
	Dec. 22	c	67.4		Jan. 6	d	49.2
					Feb. 3	d	45.0
	1934						
	Feb. 12		66.2				

*Ref. pt. is top of casing, 0.4 foot above ground. Elev. 1147.9. Measurements in Bulletin No. 39-A are from P. E. Hicks.

**Elevation of ref. pt. is 1555.4. Note: 3.0 feet should be added to all measurements in Bulletin No. 39-A.

a Measurement from Water Conservation Association.

b Measurement from San Bernardino Water Department.

c Measurement from Division of Water Resources.

d Measurement from Gage Canal Company.

Measurements from United States Geological Survey except as noted.

Well Number	Date	Dist.R.P. to water surface		Well Number	Date	Dist.R.P. to water surface	
		<u>Feet</u>				<u>Feet</u>	
	1933				1934		
E-110-H-29	Feb. 20		62.2	E-111h-H-29 cont.	Feb. 12		72.2
	June 7		63.5				
	Aug. 15		67.3		1933		
	Dec. 29	a	66.9				
	1934			E-112a-H-29	Feb. 20		79.5
					June 7		82.6
	Feb. 12		66.7		Aug. 15		85.7
	1933				1934		
*E-111-H-29	Feb. 20		99.4		Feb. 12		Plugged
	June 7		98.8		1933		
	Aug. 15		102.8				
	1934			E-112c-I-29	Dec. 18	a	45.0
	Feb. 12		105.9	E-114-H-29	Dec. 21	a	138.9
	1933			E-117-I-30	Dec. 18	a	68.9
E-111a-H-29	Feb. 20		60.2	E-118a-G-30	Feb. 13	b	126.2
	June 7		62.9		Mar. 9	b	124.0
	Aug. 15		63.7		May 1	b	124.4
	1934				June 7	b	124.8
	Feb. 12		65.4		July 7	b	126.2
	1933				Aug. 11	b	128.6
					Sep. 6	b	132.4
					Oct. 5	b	134.0
					Nov. 7	b	Dry
E-111e-H-29	Feb. 20		137.9		1934		
	June 7		139.0		Jan. 3	b	134.5
	Aug. 15		143.4		1933		
	1934						
	Feb. 12		148.6	E-119a-H-30	Dec. 21	a	189.2
	1933			E-120-H-30	Dec. 22	a	159.7
E-111h-H-29	Feb. 20		72.7	E-122k-I-30	Dec. 18	a	84.8
	June 7		72.9	E-123c-H-30	Dec. 21	a	238.1
	Aug. 15		75.8	E-127-H-31	Dec. 21	a	87.3
	Dec. 21	a	78.7				

* Reference point is top of casing, 1.6 feet above ground. Elev. 1250.5.

a Measurement from Division of Water Resources.

b Measurement from San Bernardino Water Department

Measurements from United States Geological Survey except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
	1933			1933	
E-127b-G-31	Dec. 21	207.7	E-141-I-33	Apr. 12 a	62.4
E-128-H-31	Dec. 21	111.9		Dec. 21	59.8
E-129-I-31	Apr. 12 a	75.3	E-147b-K-21	Jan. 2 b	6.3
E-130-I-31	Dec. 19	28.8		Feb. 17 b	5.5
E-131e-H-32	Dec. 21	40.0		Apr. 13 b	5.5
E-131f-G-31	Dec. 19	58.7		June 14 b	6.1
E-132-I-31	Dec. 20	108.7		Aug. 16 b	7.4
E-133-I-31	Apr. 11 a	89.8		Sep. 21 b	7.3
E-136-I-32	Dec. 19	64.8		Oct. 19 b	7.4
E-136c-I-32	Apr. 12 a	127.7		Nov. 23 b	7.5
	Nov. 1 a	134.5		Dec. 21 b	7.1
E-136f-I-32	Apr. 12 a	179.5		1934	
E-136i-I-32	Apr. 12 a	156.0		Jan. 5 b	6.1
	Nov. 1 a	162.8		Jan. 24 b	6.4
E-137-H-32	Apr. 12 a	219.9		1933	
	Dec. 20	221.7		Jan. 2 b	9.4
E-138-I-32	Apr. 12 a	173.8		Feb. 17 b	8.0
	Nov. 11 a	179.3		Apr. 7 b	7.8
				May 1 b	7.6
E-138b-I-32	Apr. 12 a	222.2		June 15 b	9.4
E-139-H-32	Apr. 15 a	272.0		July 15 b	10.4
	Dec. 20	277.0		Aug. 16 b	11.7
E-139a-H-33	Apr. 12 a	255.7		Oct. 23 b	11.9
	Dec. 20	264.		Nov. 23 b	11.9
E-140-H-33	Apr. 12 a	58.0		Dec. 21 b	11.1
E-140c-H-33	Apr. 12 a	22.8		1934	
	Dec. 21	27.4		Jan. 5 b	10.1
				Jan. 24 b	9.7
				1933	
				Jan. 13 b	117.9
				Feb. 18 b	115.9
				Apr. 14 b	115.3
				May 17 b	115.1
				June 14 b	115.0
				July 14 b	115.5

*Beginning Oct. 13, 1932, ref. pt. is bottom of base of hand pump, 1.5 feet above ground. Elev. 503.7.

a Measurement from R. T. Gill.

b Measurement from W. B. Hoy.

Measurements from Division of Water Resources except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
	1933			1933	
E-148-K-22	Aug. 17	116.0	***E-150-K-22	Jan. 13	89.3
cont.	Sep. 20	117.7		Feb. 18	89.0
	Oct. 17 a	116.6		Mar. 12	89.0
	1934			Apr. 14	89.2
	Jan. 7 b	116.9		May 17	89.3
	1933			June 14	89.5
*E-149d-K-22	Jan. 2	50.3		July 14	89.9
	Feb. 17	48.9		Aug. 17	90.2
	Mar. 6	49.2		Sep. 20	90.8
	Apr. 7	49.6		Oct. 17 a	89.9
	May 1	49.8		1934	
	June 1	49.9		Jan. 10	89.2
	July 1	50.7		1933	
	Aug. 1	51.2	E-150b-K-22	Jan. 2	50.0
	Sep. 1	51.3		Feb. 17	49.2
	Oct. 3	51.3		Mar. 15	49.0
	Nov. 1	50.7		Apr. 7	49.2
	Dec. 5	50.2		May 1	49.5
	1934			June 1	49.7
	Jan. 5	49.3		July 1	50.3
	Jan. 24	49.4		Aug. 1	51.0
	1933			Sep. 1	51.0
**E-149i-K-22	Feb. 2 a	55.5		Oct. 3	51.0
	Mar. 30 b	55.9		Nov. 1	50.6
	June 30 b	56.1		Dec. 5	50.2
	Oct. 18 a	56.0		1934	
	1934			Jan. 5	49.7
	Jan. 7 b	55.6			
	Feb. 8 a	55.9			

* Beginning Sep. 13, 1932, ref. pt. is hole in center of cap over casing. Elev. 570.9.

** Beginning Apr. 13, 1932, ref. pt. is hole in center of cap over casing. Elev. 588.0.

*** Beginning July 13, 1932, ref. pt. is top of concrete base, west side. Elev. 601.2.

a Measurement from J. R. Shoemaker.

b Measurement from Riverside County Water Users Association.
Measurements from W. W. Hoy except as noted.

Well Number	Date	Dist. R.P. to water surface	Well Number	Date	Dist. R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
	1933			1933	
E-151-K-22	Jan. 2	21.4	*E-153-K-22	Jan. 2	32.1
	Feb. 17	18.5		Feb. 17	32.2
	Mar. 15	17.8		Mar. 6	32.2
	Apr. 13	18.3		Apr. 7	32.3
	May 1	17.7		May 1	32.2
	June 1	18.6		June 1	33.7
	July 1	22.0		July 3	32.6
	Aug. 1	24.2		Aug. 1	33.5
	Sept. 1	25.9		Sept. 1	32.8
	Oct. 3	26.0		Oct. 3	32.9
	Nov. 1	25.9		Nov. 1	33.1
	Dec. 5	26.2		Dec. 5	33.1
	1934			1934	
	Jan. 5	23.2		Jan. 5	33.1
	1932			1933	
E-151f-K-22	June 10	31.4	E-156-K-23	Jan. 13	53.2
	Sep. 13	35.0		Feb. 18	53.2
	Oct. 13	33.5		Mar. 16	53.3
	Nov. 16	33.6		Apr. 14	53.3
	Dec. 15	33.4		May 17	53.4
	1933			June 14 a	
	Jan. 14	33.1		Oct. 18 b	53.6
	Feb. 17	32.4		1934	
	Mar. 15	32.2		Feb. 8 b	53.9
	Apr. 15	32.3		1933	
	May 16	32.0	E-157-K-23	Jan. 13	35.3
	June 15	33.4		Feb. 18	35.4
	July 15	33.1		Mar. 16	35.4
	Aug. 16	34.9		Apr. 14	35.4
	Sep. 21	34.3		May 17	35.5
	Nov. 23	34.2		June 14	35.6
	1934			July 19	35.7
	Jan. 10	33.8		Aug. 17	35.8
	Jan. 25	33.7		Sep. 20	38.0
				Oct. 18	36.0
				Nov. 22	36.1

* Beginning Mar. 6, 1933, ref. pt. is top of pipe. Same elevation.

a Shut off with high fence.

b Measurement from J. R. Shoemaker.

Measurements from W. W. Hoy except as noted.

Well Number	Date		Dist.R.P. to water surface <u>Feet</u>	Well Number	Date		Dist.R.P. to water surface <u>Feet</u>
	1934				1934		
E-157-K-23	Jan. 10	a	36.2	E-173e-K-25	Jan. 6		5.4
cont.	Jan. 22	a	36.3	cont.	Feb. 5		5.3
	1933				1933		
E-169a-K-24	Mar. 30		11.9	E-174-K-25	Mar. 31		19.7
	June 30		13.7		Apr. 29		21.6
					May 31		21.2
	1934				June 30		21.5
	Jan. 6		13.0		1934		
	1933				Jan. 6		19.9
E-169c-K-24	Mar. 30		15.2	E-178-J-25	Jan. 6		40.0
	June 30		10.6				
	1934				1933		
	Jan. 6		10.2	E-179c-K-25	Jan. 28		20.4
	1933				Feb. 27		20.3
E-170-J-25	Feb. 27		54.2		Mar. 31		20.7
	1934				Apr. 29		20.8
	Jan. 6		55.8		May 31		20.9
	Feb. 5		55.8		June 30		21.1
	Mar. 4	Owner refuses			July 31		21.3
	1933				1934		
					Jan. 6		21.4
					Feb. 5		21.3
	1933				1933		
*E-172-J-25	Mar. 31		5.8	E-182-K-25	Jan. 28		69.5
	Apr. 29		5.5		Feb. 27		70.0
	1934				Mar. 31		70.3
	Jan. 6		6.2		Apr. 29		70.6
	Feb. 5		6.4		May 31		71.0
	1933				June 30		71.2
					July 31		71.3
					1934		
E-173e-K-25	Jan. 28		5.1		Jan. 7		71.6
	Apr. 29		12.9		Feb. 5		71.7
	May 31		6.4				
	June 30		6.3				

* Beginning Aug. 26, 1932, reference point is top of 12" x 12" across pit, 0.6 feet below ground and 0.3 foot below old reference point.

a Measurement from W. W. Hoy.

Measurements from Riverside County Water Users Association except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		<u>Feet</u>			<u>Feet</u>
	1933			1933	
E-184c-J-25	Jan. 28	61.7	E-192a-J-26	Jan. 28	6.5
	Feb. 27	61.4		Feb. 27	6.2
	Mar. 31	61.7		Apr. 30	6.1
	Apr. 29	61.8		June 30	6.8
	May 31	61.8		July 31	8.0
	June 30	62.1			
	July 31	62.4		1934	
	1934			Feb. 4	10.7
	Jan. 6	62.4	E-193b-K-26	Jan. 7	104.0
	Feb. 4	61.1			
	1933		E-194-K-26	Jan. 7	109.0
				Feb. 5	109.0
E-185-J-25	Jan. 28	42.0		1933	
	Feb. 27	41.8			
	1934		E-196-I-26	Jan. 15	a 8.1
	Jan. 6	43.2		Feb. 14	a 7.7
	Feb. 5	44.8		Mar. 19	a 7.5
	1933			Apr. 17	a 7.4
				May 22	a 7.3
				June 17	a 7.7
				July 24	a 9.0
				Aug. 21	a 9.3
				Sep. 16	a 11.2
				Oct. 15	a 11.0
E-192-J-26	Jan. 15	a 66.5		Nov. 13	a 10.5
	Feb. 14	a 65.9		Dec. 14	a 10.0
	Mar. 19	a 65.3		1934	
	Apr. 17	a 65.5			
	May 22	a 64.9		Jan. 16	a 9.4
	June 17	a 66.4		Feb. 16	a 9.4
	July 24	a 72.2			
	Aug. 21	a 74.7	E-196e-J-26	Mar. 6	b 89.0
	Sep. 16	a 75.1			
	Oct. 15	a 73.7	E-201c-I-27	See page 124	
	Nov. 14	a 71.0			
	Dec. 15	a 70.1			
	1934				
	Jan. 16	a 68.7			
	Feb. 16	a 71.0			

a Measurement from Riverside Cement Company.

b Measurement from owner.

Measurements from Riverside County Water Users Association except as noted.

Well Number	Date		Dist.R.P. to water surface <u>Feet</u>	Well Number	Date		Dist.R.P. to water surface <u>Feet</u>
	1933				1933		
*E-201d-I-27	Feb. 27	a	85.0	E-265-L-21	Feb. 2	d	16.2
	Mar. 29	a	84.9		Oct. 17	d	18.8
	Apr. 29	a	84.8		1934		
	July 30	a	87.9		Jan. 7	a	18.0
	1934				Feb. 8	d	18.0
	Jan. 5	a	87.8		1933		
	Feb. 4	a	87.0	**E-267-L-21	Oct. 17	d	8.2
	Mar. 4	a	86.8		1934		
E-202-J-26	Mar. 6	b	157.0		Feb. 8	d	7.1
	1933				1933		
E-223-J-30	Dec. 18		52.0		E-268-L-21	Feb. 2	d 37.6
E-225b-J-31	Dec. 18	c	44.5		Oct. 17	d	39.9
E-227-J-31	Dec. 18		74.2		1934		
E-227-c-J-32	Dec. 18		17.6		Feb. 8	d	38.8
E-232-J-32	Dec. 19		179.2		1933		
E-232b-J-32	Dec. 19		82.8		E-268b-L-21	Jan. 2	e 17.3
E-233d-J-32	Dec. 19		82.7		Feb. 17	e	15.9
E-234-J-32	Dec. 18		25.2		Apr. 7	e	15.6
E-236-J-33	Dec. 19		90.7		May 1	e	15.3
E-236d-J-33	Dec. 19		165.5		June 1	e	16.0
E-237-K-33	Dec. 18		46.8		July 1	e	18.4
E-240-J-33	Dec. 19		320.6		Sep. 1	e	19.1
E-249-J-34	Dec. 19		68.5		Oct. 3	e	19.0
					Dec. 5	e	19.2
					1934		
					Jan. 5	e	18.1
					Feb. 6	a	17.2

* Beginning Aug. 24, 1932, ref. pt. is hole at air line, 0.9 foot above old ref. pt. Elev. 907.1.

** Beginning Oct. 17, 1933, ref. pt. is 2.2 feet above ground. Elev. 491.0.

a Measurement from Riverside County Water Users Association.

b Measurement from owner.

c Windmill pumping small amount of water.

d Measurement from J. R. Shoemaker.

e Measurement from W. W. Hoy

Measurements from Division of Water Resources except as noted.

Well Number	Date	Dist.R.P. to water surface	Well Number	Date	Dist.R.P. to water surface
		Feet			Feet
	1933			1933	
E-270-L-21	Jan. 12	103.3	E-273a-L-22	Sep. 1	141.1
	Feb. 18	102.5		Oct. 3	141.5
	Mar. 16	102.0		Nov. 1	142.0
	Apr. 14	101.6		Dec. 5	142.3
	May 17	101.5			
	June 14	101.3		1934	
	July 14	102.0		Jan. 5	141.7
	Aug. 17	103.3		Feb. 6	a 140.8
	Sep. 20	105.6			
	1934			1933	
	Jan. 10	104.2	E-274c-L-22	Jan. 14	b 74.6
	Jan. 22	104.0		Feb. 17	72.9
				Mar. 6	72.4
				Apr. 7	72.0
				May 1	72.3
				June 1	72.8
E-272-L-22	Jan. 2	27.7		July 1	75.7
	Feb. 17	24.9		Aug. 1	77.0
	Mar. 6	24.3		Sep. 1	Dry
	Apr. 7	24.2			
	May 1	24.0			
	June 1	25.8		1934	
	July 1	30.8		Jan. 5	76.8
	Aug. 1	33.4		Jan. 24	75.4
	Sep. 1	33.9			
	Oct. 3	34.2		1933	
	Nov. 1	34.1		Jan. 2	102.4
	Dec. 5	34.5		Feb. 17	100.9
	1934		E-275-L-22	Mar. 6	100.5
	Jan. 5	29.9		Apr. 13	100.1
	Jan. 24	28.6		May 1	100.7
				June 1	100.7
				July 1	101.8
	1933			Sep. 21	103.8
E-273a-L-22	Jan. 2	140.7		Oct. 3	104.0
	Feb. 17	139.2		Nov. 23	104.8
	Mar. 6	138.8		Dec. 23	103.6
	Apr. 7	138.4			
	May 1	138.4		1934	
	June 1	138.5		Jan. 5	102.8
	July 1	139.4		Jan. 24	102.2
	Aug. 1	140.3			

a Measurement from Riverside County Water Users Association.

b Correction to Bulletin No. 39-A.

Measurements from W. W. Hoy except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
1933			1933		
E-276-L-22	Feb. 17	143.4	E-279-L-22	Aug. 1	33.2
	Mar. 6 a	148.1	cont.	Sep. 1	32.6
	Apr. 7 a	147.5		Oct. 3	32.8
	June 1 a	148.3		Nov. 1	32.7
	Aug. 1 a	150.0		Dec. 5	32.8
	Sep. 21 a	147.0			
	Oct. 3	151.2		1934	
	Nov. 23 a	152.3			
	Dec. 21	146.5		Jan. 5	31.7
				Jan. 24	31.1
1934			1933		
	Jan. 5	145.9			
	Jan. 24	144.9	**E-280-L-22	Feb. 17	33.1
1933				Mar. 6	32.6
E-276c-L-22	Feb. 17	189.3		Apr. 7	33.2
	Mar. 6	189.1		May 1	33.6
	Apr. 7	189.3		June 1	34.1
	May 1	189.4		July 1	35.0
	June 5	189.6		Aug. 1	35.9
	July 1	189.7		Sep. 1	36.5
	Aug. 1	189.9		Oct. 3	37.0
	Sep. 1	189.9		Nov. 1	37.2
	Oct. 3	193.6		Dec. 5	37.3
	Nov. 1	190.6			
	Dec. 5	192.5		1934	
1934				Jan. 5	35.4
	Jan. 5	190.2		Jan. 24	35.0
	Jan. 24	189.7	1933		
1933			E-280d-L-22	Jan. 28 b	96.2
*E-279-L-22	Feb. 17	29.4		Mar. 30 b	95.3
	Mar. 6	28.8		Apr. 29 b	96.1
	Apr. 7	30.5		May 31 b	97.9
	May 1	29.7		June 30 b	97.5
	June 1	31.3			
	July 3	31.1		1934	
				Jan. 7 b	98.2
				Feb. 6 b	98.3

* Beginning Mar. 6, 1933, ref. pt. is top of pipe. Same elev.

** Beginning Jan. 31, 1933, ref. pt. is top of pipe. Elev. 568.4.

a Pumping.

b Measurement from Riverside County Water Users Association.

Measurements from W. W. Hoy except as noted.

Well Number	Date	Dist.R.P. to water surface <u>Feet</u>	Well Number	Date	Dist.R.P. to water surface <u>Feet</u>
		1933			1933
E-282c-L-22	Feb. 17	87.8	E-287c-L-23	Jan. 2	87.4
	Mar. 6	87.4		Jan. 31	86.8
	Sep. 21	91.5		Mar. 6	86.4
	Nov. 1	91.7		Apr. 7	86.0
	Dec. 21	91.5		May 1	86.1
				June 1	86.6
	1934			Aug. 1	87.7
				Sep. 1	88.6
	Jan. 5	90.7		Oct. 3	89.1
	Jan. 24	90.0		Nov. 1	89.5
	1933			Dec. 21	90.0
E-282f-L-22	Jan. 2	82.3		1934	
	Feb. 17	80.6		Jan. 5	89.8
	Mar. 6	80.2		Jan. 22	89.7
	Apr. 7	80.5			
	June 1	81.4		1933	
	Aug. 1	82.9	E-291b-L-23	Jan. 13	21.4
	Oct. 3	83.7		Feb. 18	18.9
	Nov. 1	84.2		Mar. 16	19.3
	Dec. 5	84.9		Apr. 14	20.4
	1934			May 17	22.0
				June 14 a	24.1
	Jan. 5	83.4		July 14 a	25.4
	Jan. 24	83.0		Aug. 17 a	26.6
	1933			Sep. 20 a	27.5
E-286c-L-23	Feb. 7	44.1		Oct. 18	27.7
	Feb. 17	42.8		Nov. 22	28.1
	Mar. 6	43.5		1934	
	Apr. 7	43.3		Jan. 10	27.9
	May 1	43.4		Jan. 22	28.1
	July 1	44.0			
	Aug. 1	44.9		1933	
	Sep. 1	45.7	E-294-L-23	Jan. 28 b	22.5
	Oct. 3	46.2		Mar. 30 b	22.5
	Nov. 1	46.7		May 31 b	27.2
	Dec. 5	47.1		June 30 b	28.2
	1934			1934	
	Jan. 5	47.3		Jan. 6 b	30.6
	Jan. 24	47.0			

a Pump to east running.

b Measurement from Riverside County Water Users Association.

Measurements from J. W. Hoy except as noted.

E-201c-1-27, STERNS HUTCHINS. MAP 8.

Location and description—0.16 mile north of Indianapolis Ave., 150 feet west of Iowa Ave. Northeast of Riverside.

Reference point—Top of iron clamp 1.9 feet above ground, to and including Dec. 28, 1927; then nail on side of garage 2.9 feet above top of casing and 4.2 feet above ground.

Elevation of reference point—949.6 to and including Dec. 28, 1927; then 951.9 from levels by Davidson and Fulmor.

Use—Not used.

Diameter of casing—8 inches.

Other numbers used—Riverside Water Co. H-37; State Div. E. and I. No. 44, Elsinore Quad.; Sanborn No. 26C; Location No. 17050D.

Dist.R.P. to water surface			Dist.R.P. to water surface			Dist.R.P. to water surface		
Date		<u>Feet</u>	Date		<u>Feet</u>	Date		<u>Feet</u>
1921			1932			1934		
Jan. 25	a	116.4	June 23		136.2	Jan. 5		133.7
Mar. 8	a	116.1	Sep. 30		137.4	Feb. 4		133.6
Mar. 31	b	116.0	Dec. 29		138.2			
1925			1933					
Oct. 14	b	116.7	Jan. 29		131.3			
1927			Feb. 27		131.0			
			Mar. 29		131.0			
			May 30		130.9			
Dec. 28	b	119.0	June 30		132.3			
			July 30		132.8			

a Measurement from W.P. Rowe.

b Measurement from Division of Water Resources.

Measurements from Riverside County Water Users Association except as noted.

PRECIPITATION RECORDS

PRECIPITATION RECORDS FOR SEASON 1932-33.

<u>Station</u>	<u>Map Index</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
185	O-6	8.95	L.A. Co. F.C.D.
212	N-7	13.13	L.A. Co. F.C.D.
230	N-7	10.45	L.A. Co. F.C.D.
327	P-9	7.20	U.S.W.B. (San Pedro)
331	N-9	10.92	L.A. Co. F.C.D.
403	O-10	10.22	L.A. Co. F.C.D.
403A	O-10	9.40	L.A. Co. F.C.D.
413	O-10	9.56	U.S.W.B. (Long Beach)
452	N-11	8.63	L.A. Co. F.C.D.
453	O-11	7.44*	L.A. Co. F.C.D.
485	O-12	7.47	O. Co. F.C.D.
578	P-14	9.71*	O. Co. F.C.D.
587	P-14	8.80	O. Co. F.C.D.
715	M-7	8.27	L.A. Co. F.C.D.
754	M-8	10.34	L.A. Co. F.C.D.
794	M-8	10.53*	L.A. Co. F.C.D.
864	M-10	9.43	L.A. Co. F.C.D.
972	L-12	8.41*	L.A. Co. F.C.D.
985	M-12	9.01	L.A. Co. F.C.D.
1014	M-12	9.54*	L.A. Co. F.C.D.
1030	L-13	9.82	L.A. Co. F.C.D.
1081	L-14	10.21	L.A. Co. F.C.D.
1099	N-14	9.29*	O. Co. F.C.D.
1103	L-14	9.19	O. Co. F.C.D.
1137	M-15	9.05*	O. Co. F.C.D.
1166	M-15	8.98	O. Co. F.C.D.
1186A	M-16	9.03*	O. Co. F.C.D.
1187	M-16	9.12	O. Co. F.C.D.
1199	N-16	10.04	O. Co. F.C.D.
1241	I-5	11.93	L.A. Co. F.C.D.
1288	K-6	10.48	L.A. Co. F.C.D.
1343	J-7	9.62	L.A. Co. F.C.D.
1395	J-8	9.89*	L.A. Co. F.C.D.
1409	L-9	10.11*	L.A. Co. F.C.D.
1444	J-9	10.26	L.A. Co. F.C.D.
1475	K-10	10.94*	L.A. Co. F.C.D.
1479	K-10	10.26	L.A. Co. F.C.D.
1482	J-10	10.84	L.A. Co. F.C.D.
1502	J-10	11.10	L.A. Co. F.C.D.
1546	K-11	10.31	L.A. Co. F.C.D.
1552	J-11	10.27	L.A. Co. F.C.D.
1565	K-12	10.18*	L.A. Co. F.C.D.
1593	J-12	10.40	L.A. Co. F.C.D.
1604	J-12	9.75	L.A. Co. F.C.D.
1651	J-13	10.29	L.A. Co. F.C.D.
1661	J-13	9.96	L.A. Co. F.C.D.
1664	J-13	9.83	L.A. Co. F.C.D.

*Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1932-33

<u>Station</u>	<u>Map Index</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
1700	I-14	11.95	L.A. Co. F.C.D.
1706	K-14	10.23	L.A. Co. F.C.D.
1721	J-14	12.15*	L.A. Co. F.C.D.
1750	I-15	11.70	L.A. Co. F.C.D.
1757	K-15	10.11	O. Co. F.C.D.
1774	J-15	11.54	L.A. Co. F.C.D.
1853	J-17	11.64	L.A. Co. F.C.D.
1862	J-17	12.13*	O. Co. F.C.D.
1901	I-18	13.42*	O. Co. F.C.D.
1906	K-18	10.65	O. Co. F.C.D.
1933	J-19	10.64*	O. Co. F.C.D.
2401	G-3	18.49	L. A. Co. F.C.D.
2443	H-3	16.28*	L.A. Co. F.C.D.
2445	H-3	10.40	L.A. Co. F.C.D.
2502	H-5	16.82*	L.A. Co. F.C.D.
2503	H-5	13.54*	L.A. Co. F.C.D.
2508A	I-5	11.71*	U.S.W.B. (Santa Monica)
2511	G-5	12.98	L.A. Co. F.C.D.
2544	H-5	13.61	L.A. Co. F.C.D.
2551	G-6	15.46	L.A. Co. F.C.D.
2555	H-5	13.80	L.A. Co. F.C.D.
2592	H-6	12.88	L.A. Co. F.C.D.
2597	I-6	12.54	L.A. Co. F.C.D.
2607	I-7	11.57*	L.A. Co. F.C.D.
2637	I-7	10.98	L.A. Co. F.C.D.
2643	H-7	12.35*	L.A. Co. F.C.D.
2686	H-8	10.58	L.A. Co. F.C.D.
2689	I-8	9.01*	L.A. Co. F.C.D.
2754	H-9	12.01*	L.A. Co. F.C.D.
2755	H-9	11.88	U.S.W.B. (Los Angeles)
2870	G-12	15.69	L.A. Co. F.C.D.
2875	H-12	10.79	L.A. Co. F.C.D.
2888	I-12	10.79	L.A. Co. F.C.D.
2915	H-12	12.69*	L.A. Co. F.C.D.
2928	I-13	10.16	L.A. Co. F.C.D.
2962	G-13	11.92	L.A. Co. F.C.D.
3004	H-14	11.83	L.A. Co. F.C.D.
3009	I-14	12.55	L.A. Co. F.C.D.
3041	G-15	10.87	L.A. Co. F.C.D.
3053	H-15	11.21*	L.A. Co. F.C.D.
3079	I-15	12.34*	L.A. Co. F.C.D.
3094	H-16	10.57*	L.A. Co. F.C.D.
3111	G-16	11.61	L.A. Co. F.C.D.
3111A	G-16	11.35*	L.A. Co. F.C.D.
3121	G-16	11.40	L.A. Co. F.C.D.
3123	H-16	10.57	L.A. Co. F.C.D.
3129	I-16	11.42	L.A. Co. F.C.D.

*Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1932-33.

<u>Station</u>	<u>Map Index</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
3149A	I-17	11.88	L.A. Co. F.C.D.
3155	H-17	12.10	L.A. Co. F.C.D.
3160	G-17	12.48*	L.A. Co. F.C.D.
3190	G-18	10.39	L.A. Co. F.C.D.
3223	H-18	11.36	U.S.W.B. (Pomona)
3244	H-19	10.88	L.A. Co. F.C.D.
3256	I-19	10.54	L.A. Co. F.C.D.
3280	G-19	11.72	L.A. Co. F.C.D.
3290	G-20	12.00	U.S.W.B. (Claremont)
3554	F-2	12.97*	L.A. Co. F.C.D.
3593	E-2	13.97	L.A. Co. F.C.D.
3596	F-3	16.60	L.A. Co. F.C.D.
3602	E-3	10.85*	L.A. Co. F.C.D.
3618	G-3	19.37	L.A. Co. F.C.D.
**3673	F-4	13.46	L.A. Co. F.C.D.
3685	F-4	12.64	L.A. Co. F.C.D.
3687	F-4	17.53	L.A. Co. F.C.D.
3706	F-5	16.52	L.A. Co. F.C.D.
3742	E-5	13.37	U.S.W.B. (Van Nuys)
3749	G-5	17.26	L.A. Co. F.C.D.
3786	F-6	15.87	L.A. Co. F.C.D.
3788	G-6	15.83	L.A. Co. F.C.D.
3810	E-7	11.32	L.A. Co. F.C.D.
3834	F-7	15.41	L.A. Co. F.C.D.
3868	F-8	12.11	L.A. Co. F.C.D.
3891	E-8	11.87	L.A. Co. F.C.D.
3894	F-8	15.44	L.A. Co. F.C.D.
3897	F-8	11.84	L.A. Co. F.C.D.
3906	F-8	11.41	L.A. Co. F.C.D.
3907	F-8	13.19	L.A. Co. F.C.D.
3917	G-9	11.84	L.A. Co. F.C.D.
3921	E-9	15.33	L.A. Co. F.C.D.
3921B	E-9	15.21	L.A. Co. F.C.D.
3934	F-9	13.69	L.A. Co. F.C.D.
3939	G-9	10.80*	L.A. Co. F.C.D.
3943	E-9	12.44	L.A. Co. F.C.D.
3993	E-10	17.65	L.A. Co. F.C.D.
4001	E-10	17.04	L.A. Co. F.C.D.
4010	E-10	17.36	L.A. Co. F.C.D.
4023	E-11	17.19	L.A. Co. F.C.D.
4048	G-11	13.67	L.A. Co. F.C.D.
4050	E-11	16.64	L.A. Co. F.C.D.
4061	E-11	16.58	L.A. Co. F.C.D.
4073	F-12	16.44	U.S.W.B. (Pasadena)
4076	F-12	14.59*	L.A. Co. F.C.D.
4079	G-12	14.31	L.A. Co. F.C.D.
4092	E-12	17.93	Walter Allen

*Partially estimated by comparison with nearby stations

**Incorrectly shown on map as 3763.

PRECIPITATION RECORDS FOR SEASON 1932-33

<u>Station</u>	<u>Map Index</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
4099	G-12	14.14*	Division of Water Resources
4109	G-12	12.89	L.A. Co. F.C.D.
4110	E-12	21.07	L.A. Co. F.C.D.
4111	E-12	19.52	L.A. Co. F.C.D.
4135	F-13	13.66	L.A. Co. F.C.D.
4137	F-13	13.90*	L.A. Co. F.C.D.
4142	E-13	17.90	L.A. Co. F.C.D.
4142A	E-13	19.00	L.A. Co. F.C.D.
4152	E-13	17.39	L.A. Co. F.C.D.
4153	E-13	17.56	L.A. Co. F.C.D.
4154	F-13	15.65*	L.A. Co. F.C.D.
4163	F-13	15.19	L.A. Co. F.C.D.
4164	F-13	15.20	L.A. Co. F.C.D.
4171	E-14	17.04*	L.A. Co. F.C.D.
4171A	E-14	17.20	L.A. Co. F.C.D.
4180	E-14	18.36*	L.A. Co. F.C.D.
4194A	F-14	14.32*	L.A. Co. F.C.D.
4195B	F-14	13.51	L.A. Co. F.C.D.
4203	E-14	15.44	U.S.W.B. (Monrovia Canyon)
4211	E-14	18.76*	L.A. Co. F.C.D.
4212	E-14	16.56*	L.A. Co. F.C.D.
4230	E-15	22.04	L.A. Co. F.C.D.
4231	E-15	17.22	L.A. Co. F.C.D.
4273	E-15	17.01	L.A. Co. F.C.D.
4293	E-16	14.01	L.A. Co. F.C.D.
4294	F-16	14.55	U.S.W.B. (San Gabriel Power House)
4296	F-16	12.94	L.A. Co. F.C.D.
4296A	F-16	12.48	L.A. Co. F.C.D.
4306	F-16	12.67	L.A. Co. F.C.D.
4309	G-16	10.91	L.A. Co. F.C.D.
4336	F-17	12.33*	L.A. Co. F.C.D.
4346	F-17	12.45*	L.A. Co. F.C.D.
4354	F-17	13.73	L.A. Co. F.C.D.
4383	E-18	15.02	L.A. Co. F.C.D.
4399	G-18	11.97	L.A. Co. F.C.D.
4399A	G-18	11.69	L.A. Co. F.C.D.
4407	F-18	12.04	L.A. Co. F.C.D.
4407A	G-18	11.55*	L.A. Co. F.C.D.
4407B	F-18	11.48	L.A. Co. F.C.D.
4408	G-18	12.45	L.A. Co. F.C.D.
4424	F-18	13.23*	L.A. Co. F.C.D.
4433	E-18	14.76*	L.A. Co. F.C.D.
4439	G-18	11.52	L.A. Co. F.C.D.
4444	F-19	14.13	L.A. Co. F.C.D.
4452	E-19	15.88	L.A. Co. F.C.D.
4457	F-19	12.33	L.A. Co. F.C.D.

*Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1932-33.

<u>Station</u>	<u>Map Index</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
4487	F-19	13.15	L.A. Co. F.C.D.
4487A	G-19	14.51*	L.A. Co. F.C.D.
4505	F-20	14.54	L.A. Co. F.C.D.
4517	G-20	12.84	L.A. Co. F.C.D.
4522	E-20	17.49	Southern Calif. Edison Co.Ltd.
4545	F-21	14.71	J.R. Johnston
4566	F-21	14.40	Liberty Groves
4583	F-21	14.99	Lewis and King
4595	F-22	13.58	Mr. Parsons
4658	D-2	10.95	L.A. Co. F.C.D.
4680	B-2	12.93*	L.A. Co. F.C.D.
4687	D-2	10.97	L.A. Co. F.C.D.
4694	C-2	10.72	L.A. Co. F.C.D.
4747	D-4	10.71	L.A. Co. F.C.D.
4782	C-4	11.85	L.A. Co. F.C.D.
4832	C-5	13.19	L.A. Co. F.C.D.
4837	D-5	11.64	L.A. Co. F.C.D.
4864	C-6	12.53*	L.A. Co. F.C.D.
4894	C-6	12.76	L.A. Co. F.C.D.
4922	C-7	13.70*	L.A. Co. F.C.D.
4934	C-7	12.14	L.A. Co. F.C.D.
4946	D-7	12.36	L.A. Co. F.C.D.
5019	E-9	15.98*	L.A. Co. F.C.D.
5033	C-9	20.94*	L.A. Co. F.C.D.
5065	D-10	22.26	U.S.W.B. (La Crescenta)
5067	D-9	18.06	L.A. Co. F.C.D.
5087	D-10	18.28*	L.A. Co. F.C.D.
5097	D-10	20.45	L.A. Co. F.C.D.
5101	C-10	25.24	L.A. Co. F.C.D.
5109	E-10	19.50	L.A. Co. F.C.D.
5115	D-11	24.14*	L.A. Co. F.C.D.
5127	D-11	18.55	U.S.W.B. (Arroyo Seco)
5132	C-11	27.04*	L.A. Co. F.C.D.
5144	C-11	24.03*	L.A. Co. F.C.D.
5204	C-12	29.52	L.A. Co. F.C.D.
5208	D-12	26.50	L.A. Co. F.C.D.
5247	D-13	24.28	U.S.W.B. (Mount Wilson)
5267	D-13	22.88	L.A. Co. F.C.D.
5269	D-13	33.38	L.A. Co. F.C.D.
5385	D-16	28.31	L.A. Co. F.C.D.
5413	C-16	25.15	L.A. Co. F.C.D.
5435	D-17	21.23*	L.A. Co. F.C.D.
5446	D-17	21.44	L.A. Co. F.C.D.
5448	D-17	18.52	L.A. Co. F.C.D.
5457	D-17	18.20	L.A. Co. F.C.D.

*Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1932-33

<u>Station</u>	<u>Map Index</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
5460	B-17	17.04	L.A. Co. F.C.D.
5549	D-19	16.78*	L.A. Co. F.C.D.
5628	D-20	21.03	U.S.W.B. (San Antonio Canyon)
5646	D-21	20.44*	L.A. Co. F.C.D.
5696	D-22	29.01	U.S.W.B. (Kelly's Camp)
5861	A-4	16.03	L.A. Co. F.C.D.
5872	A-4	16.21	L.A. Co. F.C.D.
5922	A-5	18.32	L.A. Co. F.C.D.
5928	B-5	12.60	L.A. Co. F.C.D.
5988	B-6	15.37	L.A. Co. F.C.D.
2999	B-6	14.42*	L.A. Co. F.C.D.
6005	B-7	15.48	L.A. Co. F.C.D.
6045	A-7	18.24	L.A. Co. F.C.D.
6067	B-8	16.39*	L.A. Co. F.C.D.
6249	B-11	17.35	L.A. Co. F.C.D.
6289	B-12	16.65	L.A. Co. F.C.D.
6355	A-13	13.51	L.A. Co. F.C.D.
6558	B-17	24.12	L.A. Co. F.C.D.
6558A	B-17	22.70	L.A. Co. F.C.D.
6569	B-17	22.09	L.A. Co. F.C.D.
6670	A-19	15.58	L.A. Co. F.C.D.
6681	A-19	15.49	L.A. Co. F.C.D.
6702	A-20	14.29	L.A. Co. F.C.D.
6702A	A-20	12.00	L.A. Co. F.C.D.
6705	A-20	12.52	L.A. Co. F.C.D.
6711	A-20	6.66	L.A. Co. F.C.D.
6712	A-20	10.87	L.A. Co. F.C.D.
7017	A-3	8.68	L.A. Co. F.C.D.
13193	Q-14	9.72	O. Co. F.C.D.
13201	P-14	9.36	O. Co. F.C.D.
13266	Q-15	9.55*	O. Co. F.C.D.
13309	R-16	10.06	O. Co. F.C.D.
13329	R-16	8.80	O. Co. F.C.D.
13363	Q-17	9.33	O. Co. F.C.D.
13402	Q-18	9.78	O. Co. F.C.D.
13406	R-18	8.37	O. Co. F.C.D.
13432	Q-19	10.04	O. Co. F.C.D.
13480	P-19	11.34	O. Co. F.C.D.
13484	Q-19	11.55	O. Co. F.C.D.
13499	R-20	10.65	O. Co. F.C.D.
13633	Q-22	13.90	O. Co. F.C.D.
13645	R-22	14.10	O. Co. F.C.D.
13802	Q-26	14.07*	Edwin M. Sherman
13864	Q-27	9.33	U.S.W.B. (Elsinore)
14173	R-17	10.38	O. Co. F.C.D.
14344	R-20	12.37	O. Co. F.C.D.
14373	R-21	11.93*	O. Co. F.C.D.

* Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1932-33.

<u>Station</u>	<u>Map Index</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
14408	P-14	7.60*	O. Co. F.C.D.
14439	P-15	9.35	O. Co. F.C.D.
14451	N-15	9.43	O. Co. F.C.D.
14452	O-15	8.93*	O. Co. F.C.D.
14535	O-17	9.68	O. Co. F.C.D.
14541	N-17	11.62	O. Co. F.C.D.
14549	P-17	9.15	O. Co. F.C.D.
14552	O-17	10.04	O. Co. F.C.D.
14568	P-17	8.69	O. Co. F.C.D.
14575	O-17	9.54	O. Co. F.C.D.
14582	N-18	9.50*	O. Co. F.C.D.
14586	O-17	9.84*	O. Co. F.C.D.
14617	P-18	10.64	U.S.W.B. (Tustin)
14632	N-18	9.46	O. Co. F.C.D.
14649	P-19	9.13	O. Co. F.C.D.
14671	N-19	13.43	O. Co. F.C.D.
14673	O-19	13.19	O. Co. F.C.D.
14757	P-21	16.53*	O. Co. F.C.D.
14765	O-21	15.99	O. Co. F.C.D.
14835	O-22	19.67	O. Co. F.C.D.
14902	N-24	13.26	Temescal Water Co.
15420	N-34	9.94	U.S.W.B. (San Jacinto)
15602	L-16	10.08	O. Co. F.C.D.
15614	L-16	9.67	O. Co. F.C.D.
15623	L-16	10.19	O. Co. F.C.D.
15656	M-17	10.41	O. Co. F.C.D.
15679	N-17	10.73	O. Co. F.C.D.
15681	L-18	9.77	U.S.W.B. (Yorba Linda)
15733	L-18	9.49*	O. Co. F.C.D.
15841	L-20	10.04	O. Co. F.C.D.
15903	L-22	9.80	Corona Foothill Lemon Co.
15925	M-22	11.42	Corona Foothill Lemon Co.
15926	M-22	12.80	Corona Foothill Lemon Co.
15932	L-22	8.25	Temescal Water Co.
15933	L-22	9.29	U.S.W.B. (Corona)
15955	M-23	8.99	American Fruit Growers Assn.
15965	M-23	9.03	Corona Foothill Lemon Co.
16050	L-25	8.81*	San Jacinto Land Co.
16147	M-26	9.71*	H. J. Smith
16240	L-28	6.97	U. S. Army Air Corps
16710	I-20	10.16	Southern Calif. Edison Co.Ltd.
16801	J-22	8.48*	John Imbach
16845	K-22	7.87	Orange Heights Water Co.
17023	J-26	8.65	U.S.W.B. (Riverside)
17032	J-26	9.12	Riverside Press
17062	J-27	8.79	Riverside Citrus Experiment Sta.
17417	K-34	15.36	U.S.W.B. (Beaumont)

*Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1932-33

<u>Station</u>	<u>Map Index</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
17421	J-34	17.77	U.S.W.B. (Beaumont, near)
17608	I-20	10.13	American Beet Sugar Co.
17610	G-20	13.24	R. V. Ward
17613	H-20	10.94	West Ontario Citrus Assn.
17617	I-20	10.31	C. C. Delphey
17630	G-20	13.22	Mr. Jordan
17642	G-21	10.23*	Chaffey Union High School
17653	H-21	10.78	Southern Pacific Company
17674	H-21	9.46	Braundale Acres
17703	H-22	10.94*	Guasti Wine Co.
17860	G-25	11.21	Fontana Farms Co.
17973	H-27	9.86	Southern Pacific Co.
17973A	H-27	9.79	Colton Police Department
17984	H-27	9.19	Southern Calif. Edison Co., Ltd.
18114	H-30	11.97	U.S.W.B. (Redlands)
18125	H-30	12.07	D.S.C. Anderson
18163	H-31	12.01	Crafton Orange Growers Assn.
18194	H-31	14.49	F. B. King
18260	G-32	16.01	U.S.W.B. (Mill Creek No. 2)
18351	G-34	19.07	Southern Calif. Edison Co., Ltd.
18507	F-22	13.29	Alta Loma Heights Citrus Assn.
18514	F-22	14.54	Victor Cherbak
18586	F-23	14.95	W. F. Barnes
18679	G-25	12.06	U.S.W.B. (Fontana)
18704	F-26	13.15	Southern Calif. Edison Co., Ltd.
18739	G-26	11.17	H. M. Boyd
18826	F-28	13.16	U.S.W.B. (San Bernardino)
18831	E-28	16.18	Arrowhead Springs Hotel
18886	F-29	13.23	Mrs. E. E. Corwin
18906	F-29	12.05	Thomas A. Ewing
18928	G-30	13.32	Gold Buckle Association
18937	G-30	14.03	East Highland Orange Co.
18999	G-31	16.10	Southern Calif. Edison Co., Ltd.
19045	F-32	17.73	U.S.W.B. (Santa Ana River)
19161	E-35	16.01	U.S.W.B. (Seven Oaks)
19406	D-24	30.56	Southern Calif. Edison Co., Ltd.
19449	E-25	21.98	Fontana Union Water Company
19459	E-25	20.30	Southern Calif. Edison Co., Ltd.
19496	D-25	20.93*	U.S.W.B. (Devore)
19578	D-27	21.46	U.S. Forest Service Exper. Sta.
19586	D-27	18.31*	U.S. Forest Service Exper. Sta.
19656	D-28	27.49	U.S.W.B. (Squirrel Inn)
19723	C-30	32.09*	Lake Arrowhead Company
19799	F-31	32.22	J. R. Brown
19915	D-34	22.12	Bear Valley Water Company
19945	D-34	19.95	W. L. Rideout
19985	D-35	16.34	Jack Preston
24412	R-24	13.26*	O. Co. F.C.D.

*Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1931-32.

<u>Station</u>	<u>Map Index</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
403A	O-10	14.74	L.A. Co. F.C.D.
452	N-11	14.01	L.A. Co. F.C.D.
453	O-11	12.36	L.A. Co. F.C.D.
1444	J-9	14.17*	L.A. Co. F.C.D.
1552	J-11	14.10*	L.A. Co. F.C.D.
1604	J-12	14.28*	L.A. Co. F.C.D.
2503	H-5	21.47*	L.A. Co. F.C.D.
2875	H-12	16.81*	L.A. Co. F.C.D.
3129	I-16	21.07	L.A. Co. F.C.D.
**3149	I-17	20.17*	L.A. Co. F.C.D.
3749	G-5	23.69	L.A. Co. F.C.D.
3868	F-8	19.66	L.A. Co. F.C.D.
3939	G-9	16.02	L.A. Co. F.C.D.
4023	E-11	18.70	L.A. Co. F.C.D.
4073	F-12	22.35	U.S.W.B. (Pasadena)
4087	F-12	19.55*	L.A. Co. F.C.D.
4092	E-12	26.38*	L.A. Co. F.C.D.
4433	F-18	32.63	L.A. Co. F.C.D.
4522	E-29	34.98	L.A. Co. F.C.D.
4811	C-5	21.84	L.A. Co. F.C.D.
5097	D-10	29.84	L.A. Co. F.C.D.
5988	B-6	23.16	L.A. Co. F.C.D.
6045	A-7	26.63	L.A. Co. F.C.D.
18529A	G-22	22.84	Mission Winery
19586	D-27	37.57	U.S. Forest Service Exper.Sta.

*Partially estimated by comparison with nearby stations.

**Correction to Bulletin No. 39-A.

MISCELLANEOUS PRECIPITATION RECORDS

<u>Station</u>	<u>Map Index</u>	<u>Season</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
402	N-10	1925-26	9.42	L.A. Co. F.C.D.
		1926-27	11.40	L.A. Co. F.C.D.
402A	0-10	1927-28	12.76	L.A. Co. F.C.D.
403A	0-10	1928-29	9.21*	L.A. Co. F.C.D.
		1929-30	11.29	L.A. Co. F.C.D.
		1930-31	8.80	L.A. Co. F.C.D.
412	0-11	1925-26	8.87	L.A. Co. F.C.D.
		1926-27	11.85*	L.A. Co. F.C.D.
		1927-28	12.85	L.A. Co. F.C.D.
		1928-29	8.61	L.A. Co. F.C.D.
452	N-11	1925-26	8.57*	L.A. Co. F.C.D.
		1926-27	11.82	L.A. Co. F.C.D.
		1927-28	13.47	L.A. Co. F.C.D.
		1928-29	7.36	L.A. Co. F.C.D.
		1929-30	10.90	L.A. Co. F.C.D.
		1930-31	8.42	L.A. Co. F.C.D.
453	0-11	1925-26	8.57	L.A. Co. F.C.D.
		1926-27	10.45*	L.A. Co. F.C.D.
		1927-28	12.40	L.A. Co. F.C.D.
		1928-29	6.19	L.A. Co. F.C.D.
		1929-30	10.56	L.A. Co. F.C.D.
		1930-31	7.25*	L.A. Co. F.C.D.
914	M-10	1925-26	10.35*	L.A. Co. F.C.D.
		1926-27	14.99	L.A. Co. F.C.D.
		1928-29	9.71	L.A. Co. F.C.D.
		1929-30	10.29*	L.A. Co. F.C.D.
		1930-31	9.89	L.A. Co. F.C.D.
914A	M-10	1927-28	13.00*	L.A. Co. F.C.D.
919	N-10	1925-26	9.11	L.A. Co. F.C.D.
		1926-27	12.34	L.A. Co. F.C.D.
		1927-28	12.02*	L.A. Co. F.C.D.
		1928-29	9.06*	L.A. Co. F.C.D.
		1929-30	11.32*	L.A. Co. F.C.D.
1604	J-12	1929-30	10.78	L.A. Co. F.C.D.
		1930-31	10.12	L.A. Co. F.C.D.
3129	I-16	1928-29	13.36	L.A. Co. F.C.D.
		1929-30	15.95	L.A. Co. F.C.D.
		1930-31	12.89	L.A. Co. F.C.D.

* Partially estimated by comparison with nearby stations.

MISCELLANEOUS PRECIPITATION RECORDS

<u>Station</u>	<u>Map Index</u>	<u>Season</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
4060	E-12	1927-28	15.21	L.A. Co. F.C.D.
4294	F-16	1900-01	22.90*	L.A. Co. F.C.D.
		1901-02	14.22	L.A. Co. F.C.D.
		1902-03	27.19	L.A. Co. F.C.D.
		1903-04	11.98	L.A. Co. F.C.D.
		1904-05	27.36	L.A. Co. F.C.D.
5448	D-17	1904-05	31.58*	L.A. Co. F.C.D.
		1905-06	38.68	L.A. Co. F.C.D.
		1906-07	37.03	L.A. Co. F.C.D.
		1907-08	22.88	L.A. Co. F.C.D.
		1908-09	38.53	L.A. Co. F.C.D.
		1909-10	20.13	L.A. Co. F.C.D.
		1910-11	38.44*	L.A. Co. F.C.D.
		1911-12	21.90	L.A. Co. F.C.D.
		1912-13	20.94	L.A. Co. F.C.D.
5628	D-20	1900-01	32.20*	L.A. Co. F.C.D.
		1901-02	19.75	L.A. Co. F.C.D.
		1902-03	31.20	L.A. Co. F.C.D.
		1903-04	18.39	L.A. Co. F.C.D.
		1904-05	33.95	L.A. Co. F.C.D.
		1905-06	38.02	L.A. Co. F.C.D.
		1906-07	39.88	L.A. Co. F.C.D.
		1907-08	23.90	L.A. Co. F.C.D.
		1908-09	36.07	L.A. Co. F.C.D.
		1909-10	26.88	L.A. Co. F.C.D.
		1910-11	40.86	L.A. Co. F.C.D.
		1911-12	25.95	L.A. Co. F.C.D.
		1912-13	15.91	L.A. Co. F.C.D.
		1913-14	48.12	L.A. Co. F.C.D.
		1914-15	34.11	L.A. Co. F.C.D.
		1915-16	38.13*	L.A. Co. F.C.D.
		1916-17	31.31*	
6289A	B-12	1897-98	9.21*	L.A. Co. F.C.D.
		1898-99	8.07	L.A. Co. F.C.D.
		1899-00	14.14	L.A. Co. F.C.D.
		1900-01	32.75	L.A. Co. F.C.D.
		1901-02	21.22*	L.A. Co. F.C.D.
		1902-03	39.95	L.A. Co. F.C.D.
		1903-04	17.76	L.A. Co. F.C.D.
		1904-05	41.06	L.A. Co. F.C.D.
		1905-06	42.81	L.A. Co. F.C.D.
		1906-07	47.52	L.A. Co. F.C.D.
		1907-08	25.98	L.A. Co. F.C.D.

*Partially estimated by comparison with nearby stations.

MISCELLANEOUS PRECIPITATION RECORDS

<u>Station</u>	<u>Map Index</u>	<u>Season</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
6289A	B-12	1908-09	36.30	L.A. Co. F.C.D.
cont.		1909-10	28.30	L.A. Co. F.C.D.
		1910-11	44.89	L.A. Co. F.C.D.
		1911-12	30.68*	L.A. Co. F.C.D.
		1912-13	24.86	L.A. Co. F.C.D.
		1913-14	58.92	L.A. Co. F.C.D.
		1914-15	34.10*	L.A. Co. F.C.D.
		1915-16	42.27	L.A. Co. F.C.D.
		1916-17	25.28	L.A. Co. F.C.D.
		1917-18	34.59	L.A. Co. F.C.D.
		1918-19	21.20*	L.A. Co. F.C.D.
		1919-20	38.25	L.A. Co. F.C.D.
		1920-21	36.85*	L.A. Co. F.C.D.
		1921-22	61.75	L.A. Co. F.C.D.
		1922-23	31.95*	L.A. Co. F.C.D.
		1923-24	20.75	L.A. Co. F.C.D.
19586	D-27	1929-30	22.58**	U.S. Forest Service
		1930-31	27.19*	Experiment Station

* Partially estimated by comparison with nearby stations.

** Correction to Bulletin No. 39-A.

Abbreviations used in "Sources of Information" column:

L.A. Co. F.C.D. Los Angeles County Flood Control District
 O. Co. F.C.D. Orange County Flood Control District
 U.S.W.B. United States Weather Bureau

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ERRATA

BULLETINS NO. 39 AND NO. 39-A

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Bulletin No. 39-A
South Coastal Basin Investigation
Records of Ground Water Levels at Wells and
Seasonal Precipitation Records

ERRATA SHEET
Corrections are Underlined

Well Measurements

C-581c-G-18 Measurements for Apr. 16, Sep. 29 and Dec. 4, 1932, are pumping measurements.

C-1230-P-17 Beginning April 22, 1932, ref. pt. is top of casing, south side, at cut, 0.5 feet above ground. Elev. 54.2.

D-757a-I-19 (a) Ref. pt.---Top of concrete pipe, 1 foot above ground. Elev. 759.0.

D-1037-G-23 Omit measurement. Air line out of order.

D-1177a-F-25 Jan. 10, 1933, df - 461.5.

E-36-F-28 Jan. 1, 1933 - 80.0.

E-85-G-27 Omit all measurements. They are on nearby well.

E-106d-H-29 Aug. and Nov. measurements from U.S.G.S.

E-109-G-29 Add 3.0 feet to all measurements.

E-149i-K-22 Omit Feb., Mar. and April measurements. They are on nearby well.

E-274c-I-22 Jan. 14, 1933 - 74.6.

E-282f-L-22 Measurements from Corona Foothill Lemon Co.

Page 77 Note at bottom of page should read: Measurements from P. E. Hicks except as noted.

Precipitation Records

3149 1931-32 - 20.17*

4073 Figures should be under 4075.

4075 Figures should be under 4073.

4152A Add the following seasons: 1922-23 - 17.88; 1923-24 - 10.04; 1924-25 - 13.34. Figures from 1888-89 to 1924-25, inclusive, are for the season from Oct. 1 to Sep. 30.

19586 1929-30 - 22.58.

Bulletin No. 39
South Coastal Basin Investigation
Records of Ground Water Levels at Wells

ERRATA SHEET NO. 2
Corrections are Underlined

- A-4-B-6 Elevation of reference point - 1421.3, from levels by owner.
- A-60-F-3 Reference point - Floor, 0.3 feet below ground, to and including Mar. 25, 1929; then, base of pump at ground.
Elevation of reference point - 790.7, to and including Mar. 25, 1929; then, 791, from U.S.G.S. topog. by D.W.R.
- A-72-E-5 Reference point - Top of casing, 0.4 feet above ground, to and including Dec. 5, 1930; then, base of pump, 0.7 feet above ground. Elevation of reference point - 733, to and including Dec. 5, 1930; then, 733.3, from U.S.G.S. topog. by L.A. Co. F.C.D.
- B-21a-H-10 May 21, 1931 - 100.9.
- B-60c-I-19 B-60c-I-9.
- C-278-F-15 Elevation of reference point - 634.5, to and including Sep. 19, 1930; then, 635.2, from levels by L.A. Co. F.C.D.
- C-282b-F-15 Nov. 1, 1929 - a 242.4.
- C-322-F-16 Elevation of reference point - 694.6, from levels by L.A. Co. F.C.D.
- C-323-F-16 Elevation of reference point - 693.3, from levels by L.A. Co. F.C.D.
- C-325-F-16 Elevation of reference point - 681.1, from levels by L.A. Co. F.C.D.
- C-328-F-16 Elevation of reference point - 671.2, to and including Jan. 5, 1931; then, 671.4, from levels by L.A. Co. F.C.D.
- C-333-F-16 Elevation of reference point - 647.9, to and including Oct. 16, 1928; then, 644.9, from levels by L.A. Co. F.C.D.
- C-335-G-16 1931 - May 11 - 272.1, Oct. 19 - 277.6, Dec. 21 - 273.5;
1932 - Jan. 4 - 262.9.
- C-343-H-16 Elevation of reference point - 477.6, to and including Oct. 31, 1929; then 477.9, from levels by D.W.R.
- C-603-G-19 Omit all measurements. Air line out of order.

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ERRATA SHEET NO. 2, Continued

- C-712-J-16 Elevation of reference point - 480.5, from U.S.G.S. topog. by D.W.R.
- C-713-I-16 Elevation of reference point - 405, from U.S.G.S. topog. by D.W.R.
- C-853-K-16 Location and description - 635 feet north of Santa Gertrudes Road. Other numbers used - L.A. Co. F.C.D. No. 1628.
- C-877d-L-11 Jan. 20, 1932 - 6.3.
- C-902b-L-11 Elevation of reference point - 57.7, to and including Nov. 11, 1931; then, 57.5, from U.S.G.S. topog. by L.A. Co. F.C.D.
- C-908e-M-12 Location and description - 0.25 miles west of Pioneer Blvd.
- C-910b-O-13 Elevation of reference point - (a) 8.5; (b) 8.1; (c) 87, from levels by O. Co. F.C.D.
- C-910d-O-12 Elevation of reference point - 36, from U.S.G.S. topog. by D.W.R.
- C-911-O-13 Reference point - Top of three-way elbow, 0.2 feet above ground, to and including, etc. Elevation of reference point - 12.2, to and including May 3, 1928; then, 12.0, from levels by O. Co. F.C.D., from local B.M.
- C-912-O-13 Elevation of reference point - 32.8, to and including Dec. 22, 1928; then, 33.2, from U.S.G.S. topog. by O. Co. F.C.D.
- C-912e-O-13 Omit Log Available. Elevation of reference point - 17.6, from levels by O. Co. F.C.D.
- C-974g-I-16 Elevation of reference point - 218.5, from U.S.G.S. topog. by O. Co. F.C.D.
- C-992e-P-13 Elevation of reference point - 14.9, from levels by O. Co. F.C.D. from local B.M.
- C-998-P-14 Reference point - 1.3 feet above concrete base and 2.7 feet above ground.
- C-1105a-N-17 Reference point - Hole in pump base, 4.0 feet below concrete floor and ground, to and including July 30, 1929; then, top of concrete floor at ground. Elevation of reference point - 246.7, to and including July 30, 1929; then, 250.7, from levels by O. Co. F.C.D. from local B.M.

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ERRATA SHEET NO. 2, Continued

- C-11⁵3b-0-12 C-11⁵3b-0-15.
- C-1217a-Q-19 Elevation of reference point - 278 from U.S.G.S. topog. by D.W.R.
- C-1244-Q-16 Owner - Newport Heights Irrigation District. Location and description - 100 feet northwest of Santa Ana Avenue extended, 100 feet northeast of Palisades Road. Other numbers used - Location No. 13313.
- C-1253-P-15 Omit measurements after Dec. 1, 1928. They are on well C-1253b.
- D-716-G-21 Location and description - In Upland.
- D-757a-I-19 Elevation of reference point - 759.2, to and including June 6, 1931; then, 758.7 from levels by D.W.R.
- D-918d-J-22 Feb. 5, 1932 - 25.9.
- D-929-J-23 Feb. 5, 1932 - 42.7.
- D-957-I-14 Elevation of reference point - 734.5, from levels by D.W.R.
- D-1029-H-23 Owner - Nando Miglietta (Formerly Mrs. M. L. Spardley).
Depth of well - 280 feet.
- D-1037-G-23 Omit measurements after May 15, 1931. Owner states that air line is out of order.
- D-1052-H-24 Measurements from Fontana Union Water Co. should have 20 feet added to them.
- D-1053-H-24 Omit measurements from Sept. 15, 1926, to Mar. 30, 1931, inclusive. Length of air line unknown.
- E-68g-I-26 Jan. 13, 1932 - 12.1.
- E-85-G-27 Owner - C. H. Tilden (Formerly Ralphs). Location and description - 75 feet north of Mill Street, 0.17 miles east of Mt. Vernon Avenue. Reference point - Top of blocks over casing, 0.4 feet above ground. Elevation of reference point - 1054.1 from levels by S.B.W.D. Depth of well - Omit. Diameter of casing - 4 inches. Other numbers used - S.B.W.D. No. 141, omit W.S.P. 142, No. 289, San Bernardino.
- E-101-G-28 Jan. 5, 1932 - 17.1.

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ERRATA SHEET NO. 2, Continued

E-109-G-29	Location and description - 50 feet <u>south</u> of Santa Ana River.																																																								
E-197b-K-26	Depth of well - <u>245 feet.</u>																																																								
E-267-L-21	Owner - Excelsior <u>Ranch Co. Ltd.</u>																																																								
E-270-L-21	Depth of well - <u>164 feet.</u>																																																								
E-275-L-22	April 1, 1932 - 110.8 <u>pumping.</u>																																																								
E-276-L-22	<u>Measurements on June 1, Aug. 1, Nov. 1, 1931, and April 16, 1932, are pumping measurements.</u>																																																								
E-282c-L-22	Reference point - <u>Top of casing, 1.7 feet above ground, to and including June 6, 1926; then, 3/4 inch hole in top of pump base, 2.5 feet below ground. Elevation of reference point - 635.7, to and including June 6, 1926; then, 631.5, from levels by G. K. Sanborn. Measurements on the following dates are pumping measurements:</u>																																																								
	<table><tr><td>1924</td><td>1926</td><td>1928</td><td>1930</td></tr><tr><td>Dec. 1</td><td>Jan. 27</td><td>Apr. 16</td><td>July 1</td></tr><tr><td></td><td>Mar. 9</td><td>July 16</td><td>Sep. 1</td></tr><tr><td>1925</td><td>Apr. 3</td><td>Sep. 1</td><td>Nov. 1</td></tr><tr><td>Jan. 5</td><td>June 6</td><td></td><td></td></tr><tr><td>Feb. 2</td><td>July 4</td><td>1929</td><td>1931</td></tr><tr><td>Apr. 1</td><td>Sep. 8</td><td>May 1</td><td>Apr. 1</td></tr><tr><td>May 1</td><td>Oct. 23</td><td>July 16</td><td>June 1</td></tr><tr><td>June 1</td><td></td><td>Sep. 1</td><td>Aug. 1</td></tr><tr><td>Aug. 12</td><td>1927</td><td>Nov. 1</td><td>Sep. 1</td></tr><tr><td>Sep. 2</td><td>May 9</td><td>Dec. 16</td><td>Nov. 1</td></tr><tr><td>Oct. 1</td><td>July 10</td><td></td><td></td></tr><tr><td>Nov. 1</td><td>Sep. 12</td><td></td><td></td></tr><tr><td>Dec. 1</td><td>Oct. 4</td><td></td><td></td></tr></table>	1924	1926	1928	1930	Dec. 1	Jan. 27	Apr. 16	July 1		Mar. 9	July 16	Sep. 1	1925	Apr. 3	Sep. 1	Nov. 1	Jan. 5	June 6			Feb. 2	July 4	1929	1931	Apr. 1	Sep. 8	May 1	Apr. 1	May 1	Oct. 23	July 16	June 1	June 1		Sep. 1	Aug. 1	Aug. 12	1927	Nov. 1	Sep. 1	Sep. 2	May 9	Dec. 16	Nov. 1	Oct. 1	July 10			Nov. 1	Sep. 12			Dec. 1	Oct. 4		
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E-286c-L-23	Depth of well - 78 feet.																																																								

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ERRATA SHEET FOR BULLETIN NO. 39 MAPS

Map No. 2

Well Number

- *B-12-H-7 Move 1700 feet north.
C-213p-H-13 Move to east side of street.

Map No. 3

- B-124m-M-10 Change number to B-124h-M-10.
C-912a-N-13 Move 1000 feet north and 800 feet east, 25 feet west of street.
C-927h-N-13 Omit. Same as C-1007f-N-13.
C-940d-N-12 Change to C-940e-N-12 and move 1300 feet west.
C-1085j-L-17 Moved from Map No. 5.
C-1088-L-17 Move 1200 feet east.

Map No. 4

- C-912u-O-14 Move 4700 feet south and 1200 feet east.
C-985g-N-14 Move 2900 feet south.
C-1157a-N-15 Move 2.6 miles east.
*C-1244-Q-16 Move 1900 feet northwest.
C-1244a-Q-16 Move 1200 feet northwest.

Map No. 5

- C-1085j-L-17 Move 5000 feet west. Now on Map No. 3.
C-1105-N-17 Omit. Same as C-1105a-N-17.

Map No. 6

- C-330-F-16 and 331-F-16 Reverse numbers. 330-F-16 is north well.

Map No. 7

- E-124e-F-30 Move 1300 feet west.

* Ground water levels published in Bulletin No. 39.

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